

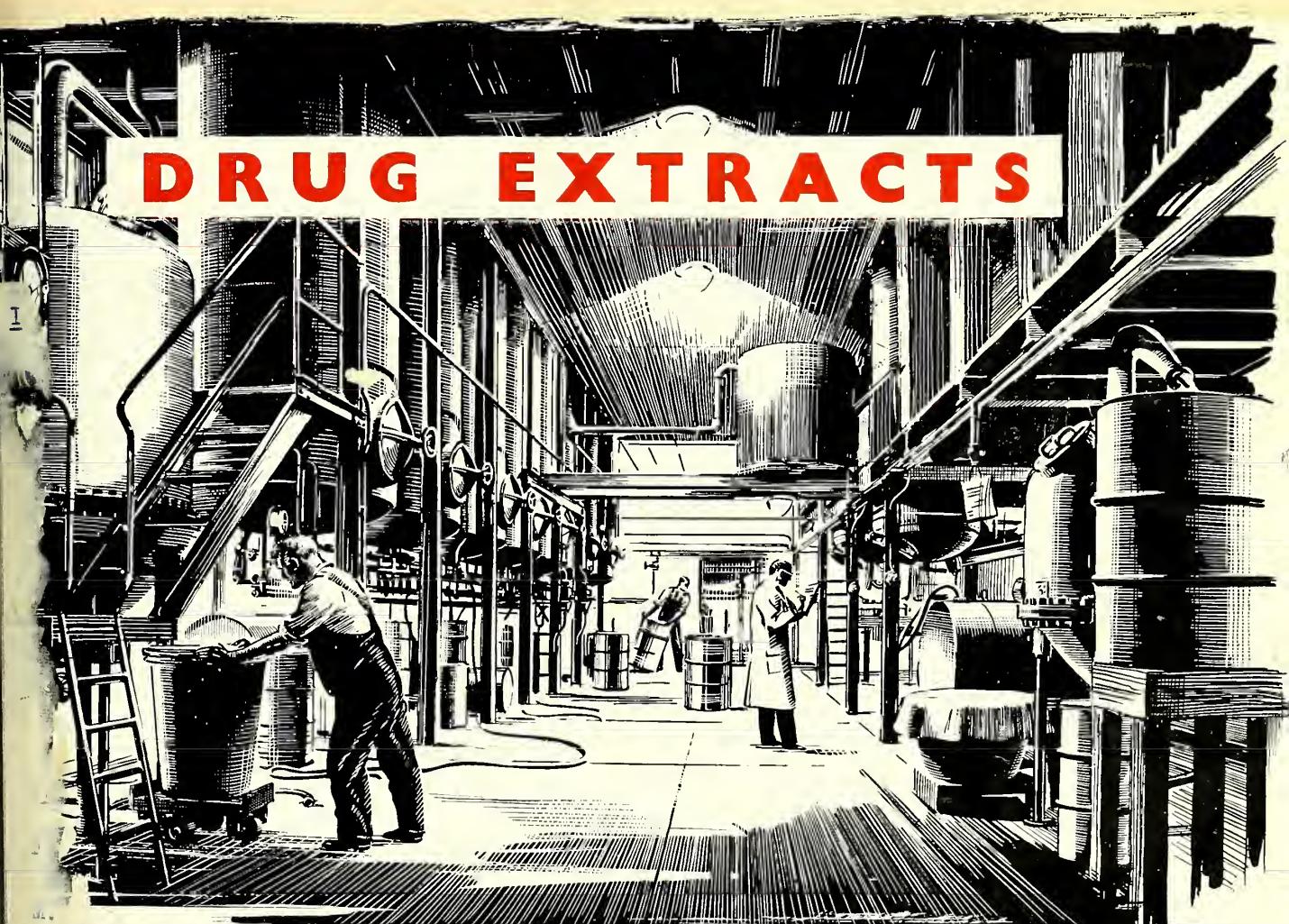
W.C.R.
18 H. 1956

The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

MAY 19 1956

DRUG EXTRACTS



enS offer the longest experience in the pre-
fine medicinal extracts. Our high vacuum
process ensures full therapeutic activity.
re liquid, granulated, powdered and
xtracts ; also concentrated extracts for
of tinctures, infusions, liquid extracts,
ions, confections, etc., etc.

May we quote you for your requirements ?

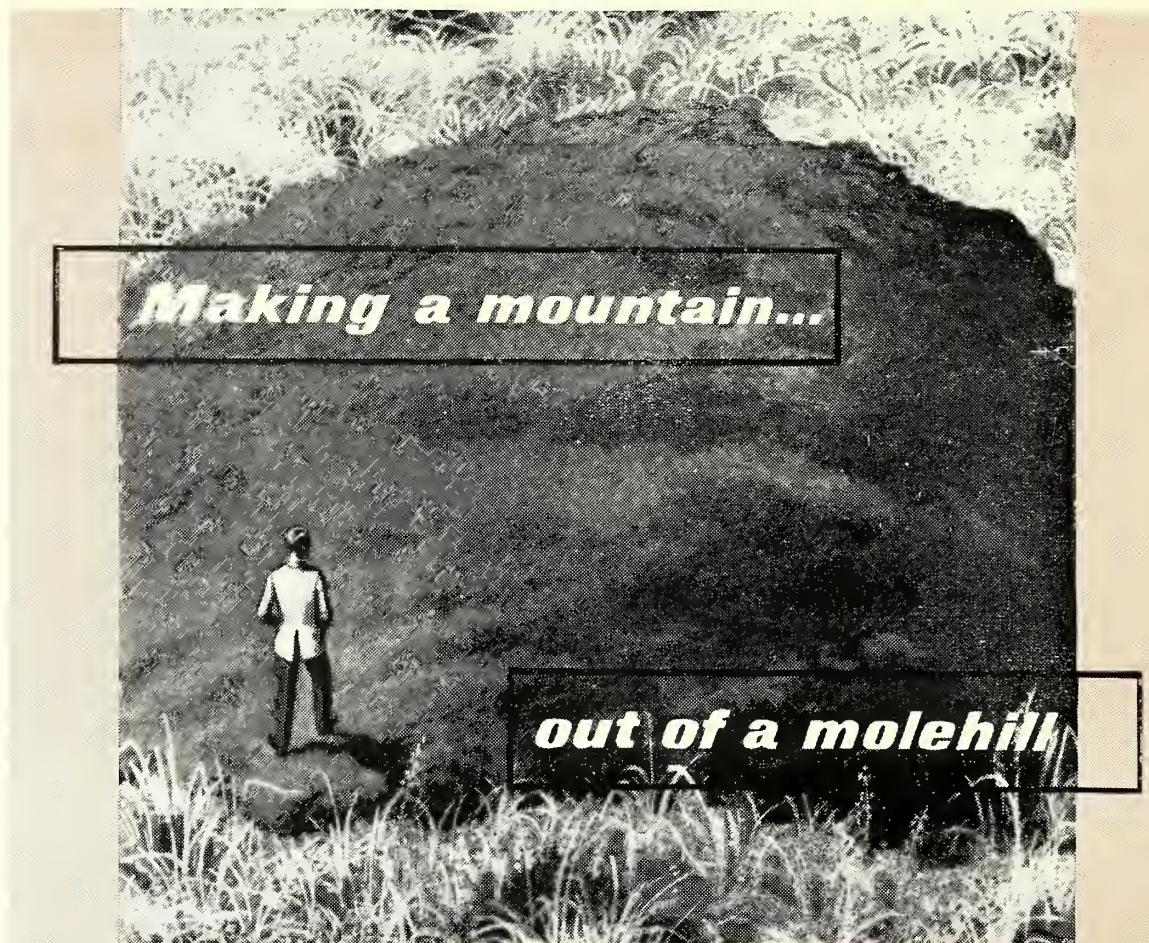
FFORD ALLEN & SONS LIMITED
ROAD, LONDON, N.I.

Telephone : CLErkenwell 1000



StaffordAllenS

TAS/AL 437



How familiar is the patient to whom the smallest problems seem insurmountable and the proverbial molehill assumes mountainous proportions. How frequently, too, have doctors found that the physical condition of such patients is associated with impaired vitamin intake. It is in the many conditions of this kind that a timely course of a Lederle vitamin product can provide the simple means of restoring vitamin sufficiency—restoring, too, a *balanced* outlook on life.

LEDERPLEX*

Vitamin B Complex

Each capsule contains :

Thiamine HCl	2 mg.	Choline	20 mg.
Riboflavin	2 mg.	Inositol	10 mg.
Niacinamide	10 mg.	Folvite* Folic Acid	0.2 mg.
Pyridoxine HCl	0.2 mg.	Insol. Liver Fraction	414 mg.
Calcium Pantothenate	3 mg.	Vitamin B12	1 mcgm.

Bottles of 100 and 500. Also as Tablets and Liquid.

VI-MAGNA*

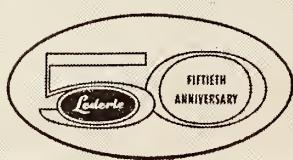
Brand of Multivitamins

Each capsule contains :

Vitamin A	5000 I.U.	Ascorbic Acid	75 mg.
Vitamin D	500 I.U.	Niacinamide	20 mg.
Thiamine HCl	3 mg.	Calcium Pantothenate	1 mg.
Riboflavin	3 mg.	Folvite* Folic Acid	1 mg.
Pyridoxine HCl	0.2 mg.	Vitamin B12	1 mcgm.

Bottles of 100 and 1000

*Regd. Trade-Mark



LEDERLE LABORATORIES DIVISION

Cyanamid PRODUCTS LTD. LONDON, W.C.2

Essential Summer Item

Steady, effortless sales from hard core demand, backed by advertising

An army of die-hard users (mostly in the 45/60 age group) depend absolutely on Simpson's directly the weather turns warm to keep their feet in 'easy' comfortable condition throughout summer. They know there's no substitute — nothing so easy to apply, so quick in action, so certain to bring relief. They *will* have it.

Advertising to 18,000,000

National advertising (this year from May to August) in all important papers, reaching this age group and aggregating 18 million circulation, adds a steady inflow of new users.

This is a *safe* summer item. So order Simpson's NOW and get the whole season's trade—and bonus on the lot. (*See panel below*).

A shilling a jar

Within a few decimals of a penny, you net a shilling on every jar of Foot Ointment handed over your counter — if you buy on best bonus terms.

But see that it's seen. One jar is enough on your counter if it's in the neat little 'crown' showcard that takes up only 4½ inches and does all the selling for you. It's packed in every bonus delivery.

BONUS plus 7½%

Bonus is now available, 12 charged as 11 on whatever quantity you like from 1 dozen upwards. But bonus is on one stocking order only—the first placed for direct delivery after the 1st May and before the 30th June. If you buy as part of an 'All-in' delivery with any assortment of other products listed on our order form you get additional discount of from 3½% to 7½%.



Simpson's FOOT OINTMENT

Sole Distributors (U.K. and Overseas) :

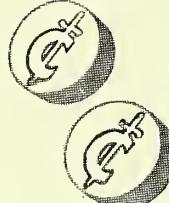
Walter Crowe Limited, 3/4 Little Russell Street, London, W.C.1

Telephone: Chancery 6101, 7051 (2 Three lines)

Telegrams: Relialines, Westcent, London

DIFFERING FROM TAB. CODEIN. CO. B.P.

Codis



contains aspirin in soluble form

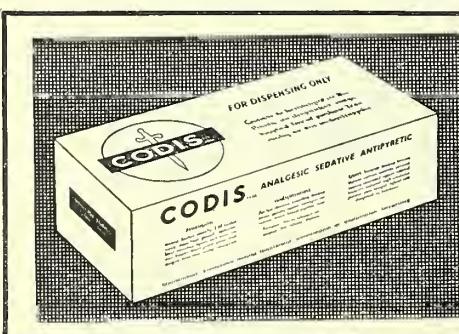
COMBINED WITH CODEINE PHOSPHATE AND PHENACETIN

THE ASPIRIN contained in "Codis" forms calcium aspirin immediately the tablet is dissolved in water.

So Codis conforms with the growing medical preference for aspirin in soluble form. Codis has all the therapeutic properties of Tab. Codein. Co. B.P., but

dissolves more readily and is less likely to cause gastric irritation.

The advantages of Codis, and its consistently high quality are being continually brought to the attention of doctors, and sampling facilities are available to them.



COMPOSITION

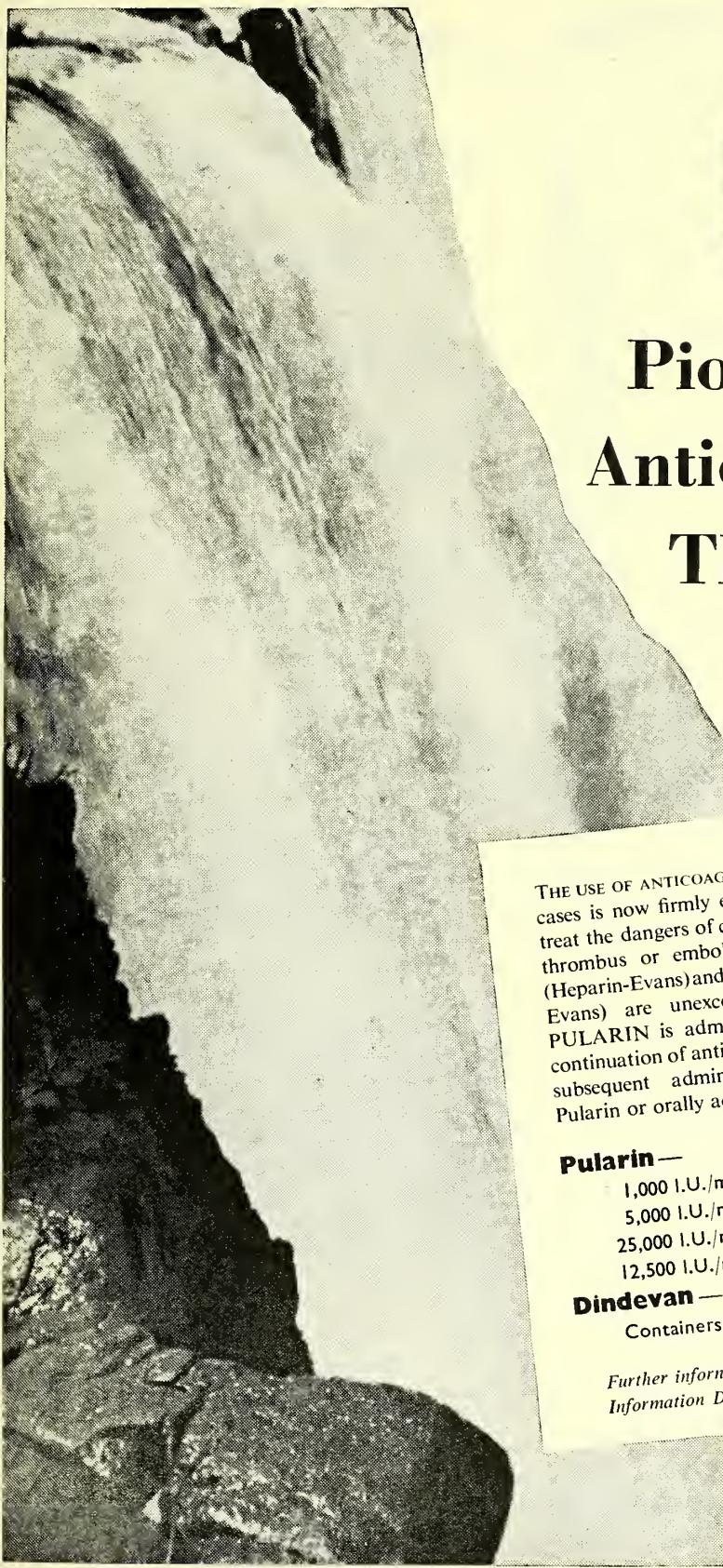
Each Codis tablet contains:—Acid. Acetylsalicyl. B.P. 4 gr., Phenacet. B.P. 4 gr., Codein. Phosph. B.P. 0.125 gr., Calc. Carb. B.P. 1.2 gr., Acid. Cit. B.P. (Exsic.) 0.4 gr.

Codis (Regd.) is not advertised to the public

DISPENSING PACK. (Purchase Tax Free.) 300 tablets in distinctive gold foils of 6 tablets each, 15/- per box.

PUBLIC SIZE. Pack of 20 tablets (in foil), 2/8 inc. P.T.

RECKITT & COLMAN LTD., HULL & LONDON (PHARMACEUTICAL DEPT., HULL)



Pioneers of Anticoagulant Therapy

THE USE OF ANTICOAGULANT THERAPY in suitable cases is now firmly established. To avoid or to treat the dangers of cessation of flow of blood by thrombus or embolus formation, PULARIN (Heparin-Evans) and DINDEVAN(Phenindione-Evans) are unexcelled. For emergency use PULARIN is administered intravenously, and continuation of anticoagulant therapy ensured by subsequent administration of intramuscular Pularin or orally administered Dindevan.

Pularin—

- 1,000 I.U./ml. 5 ml. rubber-capped bottle
- 5,000 I.U./ml. 5 ml. rubber-capped bottle
- 25,000 I.U./ml. 5 ml. rubber-capped bottle
- 12,500 I.U./ml. 1 ml. ampoule

Dindevan—

Containers of 25 and 100 tablets

Further information on request from Medical Information Department, Speke, Liverpool, 19

582

Thoughts of travel make people think of KWELLS

This advertisement in the big, national newspapers is a timely reminder of... Kwells. Although vast numbers will not need reminding. They know from past experience that Kwells are effective—and safe.

KWELLS PREVENT TRAVEL SICKNESS

for the whole family

How nice to know, before the start, that everyone will enjoy the journey—even little Janet, who usually "reacts" to the slightest wobble.

The Kwells-protected family faces any journey confidently, for Kwells are the most effective preventers of travel sickness. Official tests

Sell them what they want

at the price they want to pay

KWELLS

1'6

From chemists only

E. Griffiths Hughes Ltd., P.O. Box 407, Manchester

HOME TRADE

JKL

EXPORT

WILD CHERRY BARK SENEGA HYDRASTIS

and all other Botanicals, Gums, Waxes, Essential Oils and Spices

JOHN KELLYS (LONDON) LTD.
24 OLD BROAD STREET, E.C.2

Telephone: LONDON Wall 6585 (4 lines)
Telegrams: "Ergotine, Stock, London"

NEW YORK · HAMBURG

Culmack

SHAVING BRUSHES

BURROUGH'S
S.Y.R. DOUBLY RECTIFIED
JAMES BURROUGH LTD.,
I. CALE DISTILLERY LONDON S.E.11

1956 BUDGET

PENSIONS FOR SELF-EMPLOYED PARTNERS AND CONTROLLING DIRECTORS

If you would like advice and information free of charge and without obligation send a postcard to

LIFE ASSURANCE BROKERS LTD.
54, OLD BROAD STREET, LONDON, E.C.2
TELEPHONE: LONDON Wall 6730

INDEX TO ADVERTISERS

Abbott Laboratories, Ltd.	15	Cuxson, Gerrard & Co., Ltd.	44
Acton Pill & Tablet Co., Ltd., The	50	Dae Health Laboratories, Ltd.	Cover iv
Addis, Ltd.	36	Daniel, Richard, & Son, Ltd.	13
Allen, Stafford, & Sons, Ltd.	Front Cover	Distillers Co. (Biochemicals), Ltd., The	47
Barnett & Foster, Ltd.	44	Dollar-Rae Shopfitters, Ltd.	34
Beatson, Clark & Co., Ltd.	43	Domestos, Ltd.	41
Bell, John, Hills & Lucas, Ltd.	13	Evans Medical Supplies, Ltd.	3
Benton, T. L., & Co., Ltd.	8	Fassett & Johnson, Ltd.	24
Boots Pure Drug Co., Ltd.	16	Franks, Alfred, & Bartlett Co., Ltd.	20
British Drug Houses, Ltd., The	16	Furman, B. N. (Productions), Ltd.	24
Britton, Malcolm, & Co., Ltd.	22	Gillette Industries, Ltd.	33
Burrough, James, Ltd.	4	Golden, Ltd.	45
Burroughs Wellcome & Co.	30, Interleaved Edit., 319	Harley, Thos., Ltd.	42
Calfos, Ltd.	6	Herbert & Sons, Ltd.	34
Cartwright, W. B., Ltd.	5	Hinders, Ltd.	37
Church & Co. (Fittings), Ltd.	48	Holborn Supplies, Ltd.	Classified Section
'Codis'	2	Hughes, E. Griffiths, Ltd.	4
County Laboratories, Ltd.	51		
Cox, Arthur H., & Co., Ltd.	8		
Crookes Laboratories, Ltd., The	9		
Crowe, Walter, Ltd.	1		
Culmak, Ltd.	4		

(continued overleaf)

MOORLAND

ANTACID
INDIGESTION TABLETS



SPECIAL WINDOW DISPLAY BONUS

MAY 1-31 FOR ONE MONTH ONLY MAY 1-31

13 to the DOZ. offered on all direct MOORLAND orders during May.

1/2½d on doz. small—FREE—2/3 doz. on large.

THE ONLY MOORLAND BONUS THIS YEAR

BIGGER ADVERTISING

The heaviest advertising campaign ever for MOORLAND TABLETS is now in operation. Forceful advertisements are appearing regularly in the Provincial Press and leading Daily and Sunday newspapers, as well as popular magazines with a mass appeal.

BIGGER SALES

Increased publicity is boosting the sales of this ever-expanding all-the-year-round seller. Co-operate in this great sales drive by making sure your stocks are sufficient.

BIGGER PROFITS FOR THE PHARMACIST

In addition to the attractive Window Display Bonus during May, the retail chemist can increase his profit margin on Moorlands at any time by placing bulk orders. Special discounts have also been arranged for parcels of MOORLANDS and/or PENETROL and/or URILLAC. Full details of these profit sharing incentives have been posted to every chemist. If your copy has not arrived please advise us immediately.

W. B. CARTWRIGHT LTD

RAWDON

LEEDS

INDEX (cont.)

Illingworth, E., & Co. (Bradford), Ltd.	29
Imperial Chemical Industries, Ltd.	18, 19
International Laboratories, Ltd.	Leader Page
Inverni & Della Beffa, S.p.A.	42
Jarrett, Rainsford & Laughton, Ltd.	35
Jones, Samuel, & Co., Ltd.	34
Kelly, John (London), Ltd.	4
Lederle Laboratories Division	Cover ii
Life Assurance Brokers, Ltd.	4
London Commercial Electrical Stores, Ltd., The	46
Lucozade, Ltd.	12
Medico-Biological Laboratories, Ltd.	Cover iii
Miller of Golden Square, Ltd.	11
'Nervone'	42
Olley, C., & Sons, Ltd.	34
Organon Laboratories, Ltd.	31
Orridge & Co.	Classified Section
Peboc, Ltd.	42
Pifco, Ltd.	48
Potter & Clarke, Ltd.	25
Powley, R., & Sons, Ltd.	37
Progress Shaving Brush Co., Ltd., The	32
Radio Times	26
Reckitt & Colman, Ltd. (Robinsons Barley Water)	49
Roberts Windsor Soap Co., Ltd.	Interleaved Edit., 320
Ross Ensign, Ltd.	10
Roussel Laboratories, Ltd.	7
Rozalex, Ltd.	44
Salter, Geo., & Co., Ltd.	23
Samuelson, P., & Co.	50
Scott & Turner, Ltd.	46
Searle, G. D., & Co., Ltd.	28
Shaw, Robert, & Co., Ltd.	24
Skuse & Co., Ltd.	Leader Page
Souplex, Ltd.	32
St. Andrew Mills, Ltd.	38, 39
Stewart, Goodall & Dunlop, Ltd.	32
Sunday Pictorial, The	17
Thompson & Capper Wholesale, Ltd.	21
United Glass Bottle Manufacturers, Ltd.	40
Vernons & Co.	50
Vines Biocrin, Ltd.	48
Warner, William R., & Co., Ltd.	27
Washington Chemical Co., Ltd., The	14
Whitaker & Co. (Kendal), Ltd.	42

Edible BONE phosphate

p r e s e n t s

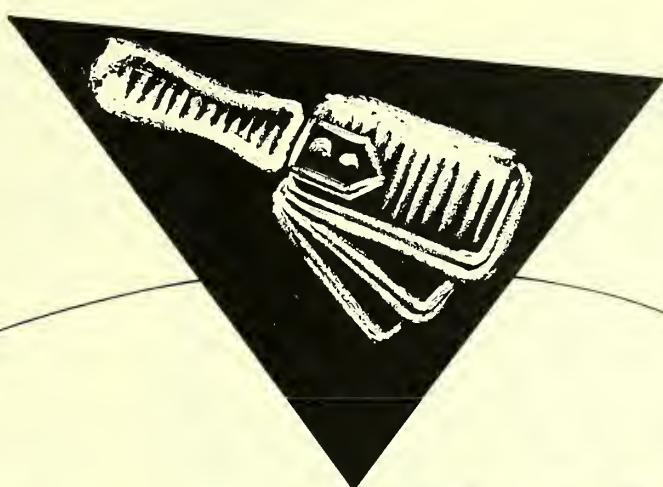
calcium and phosphorus
in their most
readily assimilated form

Available as a white,
sterile powder in
200, 100, and 50 mesh.

Full particulars,
samples, and
prices on request.

CALFOS LTD.

IMPERIAL HOUSE, KINGSWAY
LONDON, W.C.2
Phone: TEMple Bar 3629



d.d.s sulphone

(4,4' diamino-diphenyl sulphone)
Dapsone B. P. C.

grade

technical
crystallized
microcrystallized



6, RUE MONSIEUR - PARIS 7^e - TÉL. : SÉG. 71-33

ROUSSEL LABORATORIES

847, Harrow Road LONDON - N. W. 10 - Telephone : Ladbroke 3608



LAND SEA AIR TABLETS

This successful COX line enjoyed wide popularity last year at Home and Overseas.

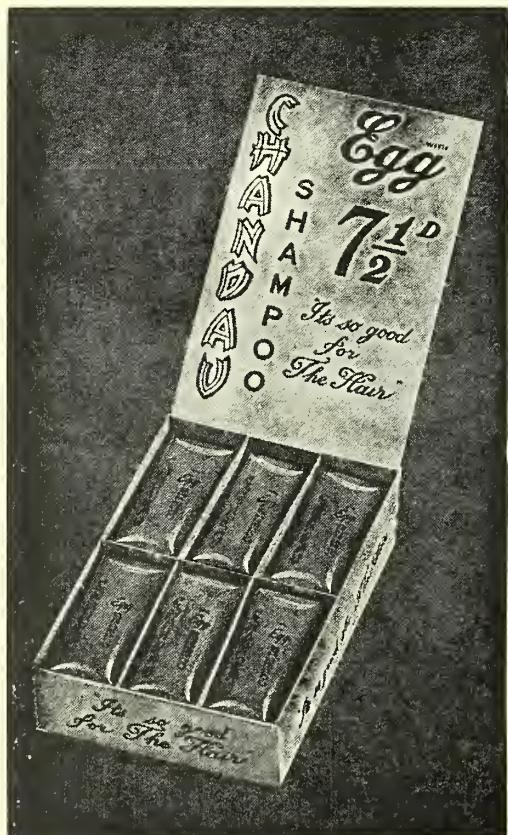
It is available most attractively presented under ten different designs supported by display material.

Our representatives will give you further details, or if you care to write direct we shall be happy to send you samples.

**GO BY QUALITY—
GO BUY**



ARTHUR H. COX & CO. LTD., BRIGHTON.



BIGGER PROFIT FOR YOU IN **CHANDAU** SHAMPOO WITH EGG

RETAIL 7½d. each

TRADE 4/- per doz.

PLUS 25% TAX

PACK. 2 doz. in SHOW OUTER

This shampoo shows you 50% PROFIT
(INC. TAX)
Ask your friends who SELL this popular shampoo

By courtesy "Hair & Beauty"

Test Report by one of London's Leading Hairdressers:

"This is a good quality shampoo which gives an excellent sheen and does not make the hair too soft. It foams well and is economical in use, being easily rinsed out. It does not leave the hair sticky."

Obtainable from all Wholesalers or Direct

T. L. BENTON & CO. LTD.
186 SEVEN SISTERS ROAD, LONDON, N.7

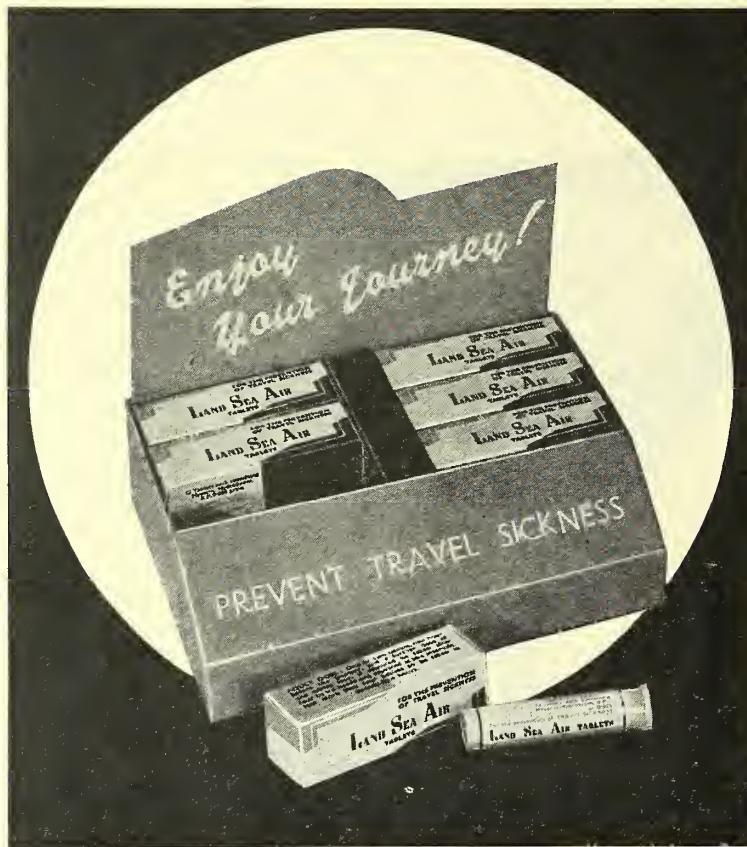
Telephone: ARCHway 2674/5

oooooooooooooooooooooooo

Special supplement

HOW to
make
MONEY
this
summer

See
inside



LAND SEA AIR TABLETS

This successful COX line enjoyed wide popularity last year at Home and Overseas.

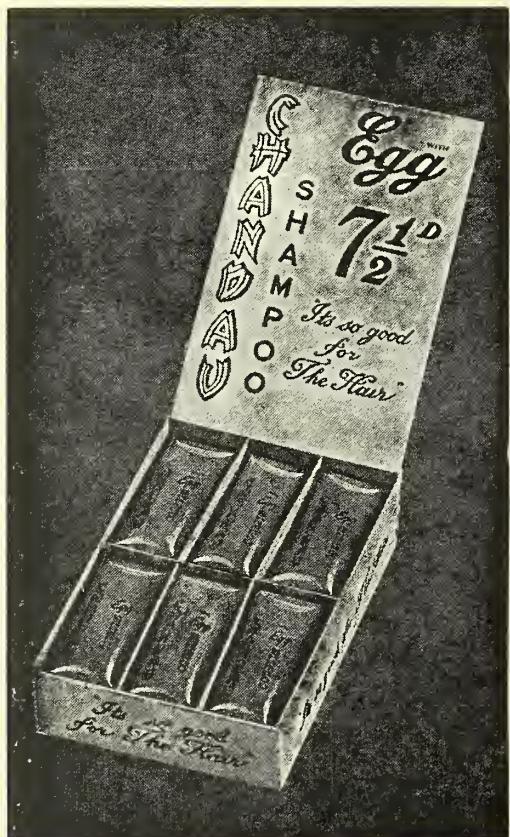
It is available most attractively presented under ten different designs supported by display material.

Our representatives will give you further details, or if you care to write direct we shall be happy to send you samples.

**GO BY QUALITY—
GO BUY**



ARTHUR H. COX & CO. LTD., BRIGHTON.



BIGGER PROFIT FOR YOU IN **CHANDAU** SHAMPOO WITH EGG

RETAIL 7½d. each

TRADE 4/- per doz.
PLUS 25% TAX

PACK. 2 doz. in SHOW OUTER

This shampoo shows you 50% PROFIT
(INC. TAX)
Ask your friends who SELL this popular shampoo

By courtesy "Hair & Beauty"

Test Report by one of London's Leading Hairdressers:

"This is a good quality shampoo which gives an excellent sheen and does not make the hair too soft. It foams well and is economical in use, being easily rinsed out. It does not leave the hair sticky."

Obtainable from all Wholesalers or Direct

T. L. BENTON & CO. LTD.
186 SEVEN SISTERS ROAD, LONDON, N.7

Telephone: ARChway 2674/5

K-C Mirror

PUBLISHED BY KIMBERLY-CLARK LIMITED,
CARRIERS LANE, LONDON, N.W.5

Front page news FROM Kleenex

GREAT KLEENEX



The girl who'll be headlines . . .

Take a long look at the girl hugging Kleenex. She'll be seen in thousands of big advertisements featuring the Kleenex £500 - a - month Contest. "Let Kleenex pay for your holiday," she's going to tell the country in these advertisements. Put that way by a pretty girl, who could refuse—specially when there's £500 every month to be won!

£500
a month

HOLIDAY CONTEST

● Boom in June for Kleenex retailers!

Advertiser's Announcement

Let **KLEENEX**
pay for your
holiday!

£500 IN PRIZES EVERY MONTH!

1st PRIZE £200 2nd PRIZE £75 3rd PRIZE £25
40 ADDITIONAL PRIZES OF £5 EACH

For travelling, seaside, holidays, home or hotel, take Kleenex with you—the tissue with 1001 uses. There's £500 to be won every month, now till September. A simple test of skill, easy to enter, fun to do! Use entry form below. Have a go now!

* Regd. T.M.

ENTRY FORM—DO BOTH PARTS—KLEENEX £500 CONTEST FOR JUNE

PART 1: If there's nothing like Kleenex for colds, but there are 1001 other uses, too. Some of them are given below. List them in the order in which you judge they should be advertised. Write a (1) against your first choice, a (2) against your second, and so on.

A. Use Kleenex for hay fever
B. Use Kleenex to clean ash trays
C. Use Kleenex to apply sun lotion
D. Use Kleenex to wipe car windscreen
E. Use Kleenex as shoulder-scrub pad
F. Use Kleenex as bib for baby
G. Use Kleenex to remove makeup
H. Use Kleenex to wrap sandwiches

IMPORTANT

SEND ENTRIES ONCE MONTHLY BY
ACCOMPLISHMENT OF THE LEAVES
FROM INSIDE A BOX OF KLEENEX
Tissues.

Be sure you read rules obtainable
at your news agency, from
shop selling Kleenex, or from
makers—Kimberly-Clark Limited,
Carrers Lane, London, N.W.5

PART 2: Complete this sentence in not more than 20 words.—
"I like KLEENEX® tissues because _____."

Agree to abide by the rules and to accept as legally binding the decision of the judges.

SIGNATURE _____

NAME (BLOCK LETTERS) _____

ADDRESS (BLOCK LETTERS) _____

POST YOUR ENTRY TO KLEENEX CONTEST, 174 WESTBOURNE GROVE, LONDON, W.I.

Your Kleenex sales will rise with the temperature this summer.

That's the aim of the "hot-test" sales promotion of the summer—a £500 - a - month Kleenex Contest. It will be nation-wide. Thousands of pounds worth of big space advertisements have been booked to feature Kleenex Holiday Contest advertising. 9 out of 10 of your customers will see this Kleenex Contest advertising.

Customers must buy Kleenex first

Your customers must buy Kleenex first to enter the Contest. You can expect heavy buying and heavy summer profits. Complete plans have been made to enable you to tie up 100% in your shop. 15,000 specially designed Display Kits are being distributed to Kleenex dealers.

THIS NOVEL KLEENEX SALES PROMOTION WILL BEGIN IN JUNE. IT WILL CONTINUE THROUGHOUT JULY AND AUGUST. THERE WILL BE A FRESH CONTEST EVERY MONTH, WITH £500 IN PRIZES EVERY MONTH.

Each Contest will be easy for your customers to enter and fun to do. All they have to do is to arrange a list of the summer uses of Kleenex Tissues* in the order in which they judge they should be advertised. Prizes each month are:

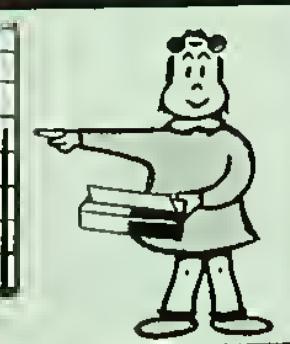
**First Prize £200
Second Prize £75
Third Prize £25**

with 40 additional prizes of £5 each. Total each month—£500.

*Regd. T.M.

**WATCH YOUR SALES
GO UP WITH THE
TEMPERATURE**

—SAYS LITTLE LULU by *Margot*



600,000 extra sales
of Kleenex?

Newspaper executives, questioned on the likely number of entrants in the Kleenex Holiday Contest, report that newspaper competitions with similar-sized prizes have attracted up to 200,000 entries.

An entry of this size would mean extra sales of 200,000 boxes of Kleenex per month. Assuming a similar monthly entry for each of the three months of the Kleenex Contest, this will give a total of 600,000 extra boxes of Kleenex sold this summer.

Mr. A. F. Altree, Marketing Director of Kimberly-Clark Limited, the makers of Kleenex, believes this figure may easily be exceeded.

"Remember," he says, "this series of Kleenex Contests is going to focus tremendous attention on the summer uses of Kleenex Tissues—for removing make-up, for instance, for the seaside, picnics, holidays, and dozens of other things. Not only can you expect a great surge of Contest buying, but by building mass displays of Kleenex amongst your other summer lines you'll be able to sell Kleenex as a summer article in its own right. The surface of the Kleenex summer market has hardly been scratched yet. There are IMMENSE opportunities here for every retailer, and this summer we shall be exploiting these opportunities to their fullest, with every prospect of bringing a very substantial increase in your summer profits."

**DISPLAYS
FOR YOUR SHOP**

See what you'll get. Follow
the dots to back page.



GREAT KLEENEX HOLIDAY CONTEST

- £500 in prizes every month
- Nationally Advertised
- Fresh contest each month till September
- Entrants must buy Kleenex FIRST
- Winners must list summer uses of Kleenex in correct order
- A sure summer sales booster for you!

GET EXTRA PROFITS ALL THROUGH SUMMER!

STARTS JUNE 1

Advertising starts with a boom in June . . . so get your Kleenex Contest Displays NOW! Remember, 9 out of 10 of your customers will see this Contest advertising and they must buy Kleenex from you to enter. Make sure they buy in your shop by giving your Kleenex Contest Displays a dominant position. Make sure you get maximum summer sales by displaying Kleenex prominently with your other summer lines. Order your free displays now and make sure of big, extra Kleenex profits right through June, July, August!

**Displays
for
Your Shop**



**SPECIAL
COUNTER CARD/
DISPENSER**
Compact size. Expensively produced in colour. Comes packed with 100 Entry Forms plus a reserve stock of a further 100.



WINDOW BANNER Neat, bold, striking—reminds newspaper readers to "have a go," come in and buy!

POST TO: Sales Manager, Kimberly-Clark Ltd.,
Carkers Lane, London, N.W.5
Rush me a complete FREE set of Kleenex Contest Display Material—Counter Card/Dispenser, Entry Forms and Window Banner.

Name
(Block letters throughout)

Cut coupon now
post immediately

THREE-IN-ONE ENTRY FORM!
Ingeniously designed so that each Entry Form may be used for June, July or August contest—no need to insert different forms each month.

**ORDER YOUR
DISPLAYS HERE**

BONUS CROOKES OFFER

**SAFEGUARD
YOUR SKIN**

CROOKES
Lacto-Calamine
LOTION
POWDER BASE & SKIN FOOD
A SOOTHING SUNBURN LOTION

Details of the Crookes bonus offer for Lacto-Calamine have already been mailed to you. Take advantage of the gay window displays and attractive show material that have been specially designed to help you sell Lacto-Calamine.

Stock up now . . . it's going to be

ANOTHER SUCCESSFUL

P.A.T.A.

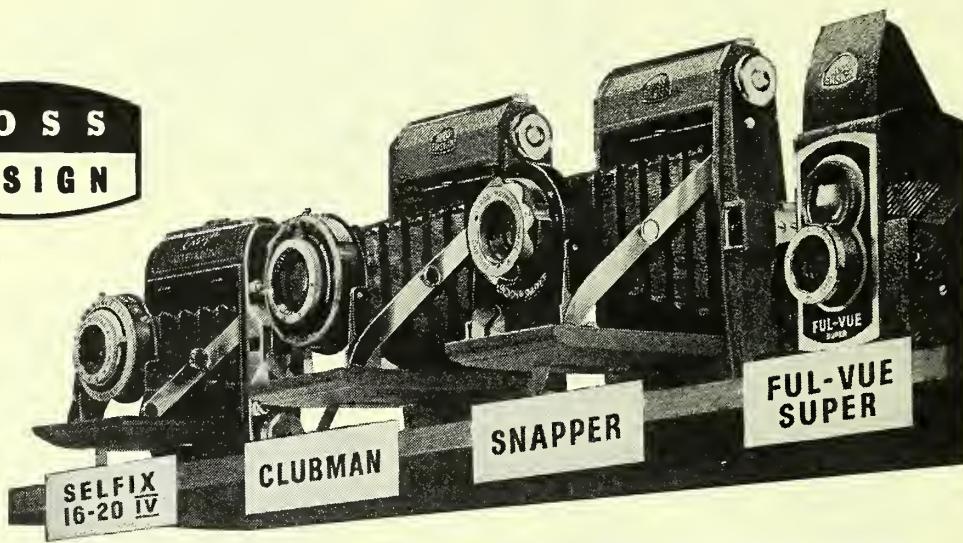
© **Lacto-Calamine**

SUMMER



THE CROOKES LABORATORIES LIMITED • PARK ROYAL • LONDON • NW10

Focus on British Made



This season as never before the focus is on British made cameras. But it isn't patriotism alone which makes a customer ask for a Ross Ensign model. Rather is it the firm conviction that in Ross Ensign he is getting full value for his money. No other camera range is so nicely graded to appeal to the widest possible market and for this reason the astute chemist will see in the 4 models featured here the main plank of his new season's sales.



ROSS ENSIGN LIMITED, CLAPHAM COMMON NORTH SIDE, LONDON S.W.4

How often do your customers ask for a weight-reducing product?

*Here is a harmless preparation
which is really effective*

CARRUGAN THE SWEDISH MILK DIETING METHOD

In the CARRUGAN method which is based on the reaction of a weak organic acid with a neutral salt, the casein contained in milk is precipitated within a few minutes in the form of evenly distributed, easily digestible flakes. CARRUGAN gives the milk a more bulky form. CARRUGAN milk contains all the necessary vitamins.

PACKING

CARRUGAN is available in:

2 oz. tins (retail price 10/11)

4 oz. tins (retail price 19/-)

COMPOSITION

Tartaric Acid 63% Magnesium carb. 22%

Sodium Bicarb. 14% Albumen 1%



DIRECTIONS

Mix a heaped teaspoonful of CARRUGAN in a glass of milk. After a few minutes the milk will thicken. Leave for a further five minutes then stir and drink. The taste is slightly sour, and refreshingly palatable. Two or three glasses of CARRUGAN milk provide a substitute for a meal—the feeling of hunger which might be expected being completely satisfied. A normal food intake—day should follow one or at the most two CARRUGAN diet days.

Normal intake of food per day provides approximately 3000 calories. Six to seven glasses of CARRUGAN milk per day provide approximately 1000 calories.

SOLE DISTRIBUTOR:

MILLER of Golden Square Limited
13 GOLDEN SQUARE, LONDON, W.I.

Phone: Gerrard 6533

May 19, 1956



The national family drink

in the

national family newspaper !

**Over
11,000,000 READERS
will see this HALF PAGE**

DAILY EXPRESS MAY 22nd

LUCOZADE

the sparkling glucose drink!



Selling Agents: MACLEAN'S LTD., GT. WEST RD., BRENTFORD, MIDDX. Tel: EALING 6616



SPECIAL PARCEL

12 BOXES OF SUPPOSITORIES SENT

POST FREE!

to your address and charged through YOUR USUAL WHOLESALER

E.G. 6 Boxes of Suppos. Bism. Subgall. 6 Boxes of Suppos. Bism. Subgall. Co.

Manufactured and Packed in the Laboratories of:

RICHARD DANIEL & SON LTD.

MANSFIELD ROAD, DERBY, Tel. 48266 (4 lines) and at GROSVENOR STREET, ASHTON-U-LYNE, Tel. 2816 (3 lines).

You'll be busy with

BRONTAN

REGD. TRADE MARK

SUN-TAN CREAM

THIS SUMMER

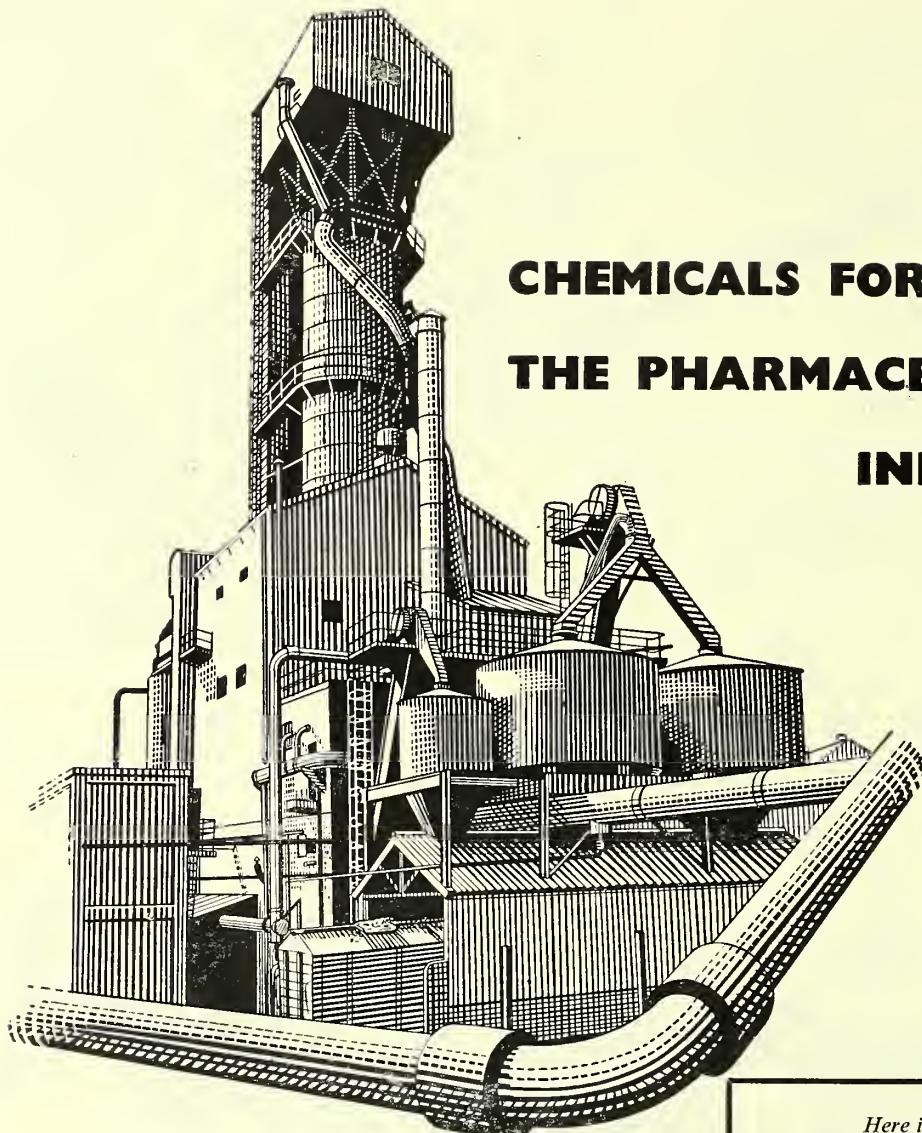


NON-GREASY BRONTAN tans fast and sells fast, and each tube will show YOU a healthy profit. Now's the time to order for your share of this brisk business which will be continual throughout the summer.

Trade Price 10/3 per dozen	Retail 2/1½ per tube
(P. Tax 9/2½)	(inc. Tax)

Bonus for display, 13 to the dozen on parcels of not less than 3 dozen

JOHN BELL, HILLS & LUCAS LTD., OXFORD WORKS, WORSLEY BRIDGE RD., S.E.26



CHEMICALS FOR THE PHARMACEUTICAL INDUSTRY

This stack kiln is one of the many modern manufacturing units employed by the Company in the manufacture of its chemicals.

IT IS NOW OVER A HUNDRED YEARS since we initiated the Pattinson process to extract magnesium carbonate from magnesian limestone. The experience gained during this time has been applied to improved plant design and operation so as to combine great expansion with close quality control. Our present first-class research facilities are always available to any manufacturer requiring technical advice on problems concerning the uses of our chemicals.

Here is a list of the chemicals we manufacture for the pharmaceutical industry.

- LIGHT AND HEAVY MAGNESIUM CARBONATES B.P.
- LIGHT AND HEAVY MAGNESIUM OXIDES B.P.
- MAGNESIUM OXIDE LEVISSIMA
- MAGNESIUM HYDROXIDE B.P.C.
- MAGNESIUM TRISILICATE B.P.

Full information in the form of technical bulletins is available on request.

THE WASHINGTON CHEMICAL CO. LTD.

A member of the TURNER & NEWALL ORGANISATION.

WASHINGTON · CO. DURHAM · ENGLAND

For children of this age...

Pour out a spoonful of VI-DAYLIN . . .

notice its honey appearance . . .

smell its citrus odour . . .

then taste it. That delicious flavour explains why children love VI-DAYLIN. Now look at the formula—here is truly effective multivitamin therapy. Seven important vitamins, well-balanced, with an average daily dose of one 5 cc. teaspoonful.

Mixes with milk, juices and soft foods, and stable without refrigeration.

VI-DAYLIN is supplied in 90 cc. bottles.



Each 5 cc. of
Vi-Daylin contains:-

Vitamin A . . . 3,000 i.u.
Vitamin D
(Viosterol), B.P. 800 i.u.
Aneurine
Hydrochloride, B.P. 1.5 mg.
Riboflavin, B.P. 1.2 mg.
Ascorbic Acid, B.P. . . . 40 mg.
Nicotinamide, B.P. . . . 10 mg.
Pyridoxine
Hydrochloride . . . 0.5 mg.

...many doctors prescribe

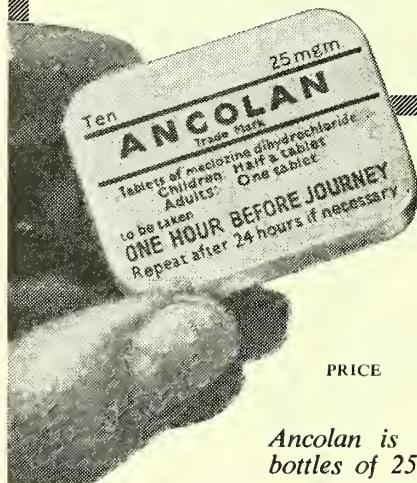
VI-DAYLIN

TRADE MARK

Homogenized mixture of vitamins A, D, B₁, B₂, B₆, C and Nicotinamide, Abbott

ABBOTT LABORATORIES LTD • PERIVALE • GREENFORD • MIDDLESEX

'ANCOLAN'
TRADE MARK
TABLETS OF MECLOZINE DIHYDROCHLORIDE
foremost
for travel sickness



PRICE

TRADE

RETAIL

1/8 2/6

Ancolan is also available in bottles of 25 and 250 tablets.

A novel new pocket pack

containing 10 Ancolan tablets is now available.

Ancolan is notable for: Long duration of action—24 hours with a single dose. Does not cause drowsiness. Has no unpleasant side effects. Safe for children in the recommended dosage.

BONUS

5% on orders for three dozen containers
7½% on six dozen.

TERMS

Additionally 13 to the dozen during May.

THE BRITISH DRUG HOUSES LIMITED, LONDON, N.1



**products
in constant
demand**

These and all other Boots Medical Products are available at full trade discount through your usual wholesaler, or from the

Wholesale and Export Dept.
BOOTS PURE DRUG CO., LTD.
NOTTINGHAM, ENGLAND.
(Nottingham 45501).

London Sales Office,
71, Fleet Street, E.C.4.
(Fleet Street 0111).

Literature and further information on request.

Nutinal Tablets each containing 1 mg. benactyzine hydrochloride.	Bottle of 100 tablets.	4/6
Fenox Nasal Drops Phenylephrine and naphazoline in a non-oily viscous vehicle of adjusted pH and tonicity.	½ fl. oz. dropper bottle.	2/6
Tabillin Penicillin Tablets, B.P. Each tablet individually packed and sealed in foil.	Packet of 10 Box of 10 packets of 10 Potency { 100,000 I.U. 200,000 I.U. 400,000 I.U. 500,000 I.U.	Packet of 10 Box of 100 2/9 20/9 3/- 23/- 5/1 44/- 6/4 55/-
Blandlax An oil-free laxative containing sodium carboxymethylcellulose and magnesium hydroxide.	8 fl. oz. 16 fl. oz. 80 fl. oz.	1/11 plus P. Tax 3/2½ plus P. Tax 12/7½ plus P. Tax
Tusana A palatable cough linctus combining in a demulcent base the sedative effects of codeine, with the properties of cocillana and other dependable expectorants.	4 fl. oz. 20 fl. oz. (dispensing pack) 80 fl. oz. (dispensing pack)	2/9½ plus P. Tax 12/6 45/-
Viules Single-dose injections in disposable cartridges.	Details of range and prices on application.	

Prices subject to trade discount.



D for DELROSA



as advertised to

One in every three living near you.

Delrosa sells any hour of the day.

Get cracking now with a WINDOW DISPLAY.

SUNDAY PICTORIAL

DELROSA advertising appears in the Sunday Pictorial on May 20th



*She may only be wanting
a mixing bowl . . .*

There's a big market for
houseware made from

'ALKATHENE'

THE I.C.I. BRAND OF POLYTHENE

YOU CAN SELL any amount of household goods made from 'Alkathene'. Kitchen and bathroom ware made in 'Alkathene' sells itself. 'Alkathene' is THE original polythene discovered by I.C.I. It is so light, so bright and colourful, and virtually unbreakable. 'Alkathene' never rusts or dents or chips — never chips valuable china or glass either! It has a beautiful, smooth hygienic surface, very easy to clean. It lasts for ages and will stand up to rough handling.

'Alkathene' is receiving a lot of publicity in the National Press. The full weight of all this advertising is behind *your* sales drive. In addition, striking and attractive display material may be obtained on request from your normal suppliers. Organize your own 'Alkathene' Week! With special window and interior displays. That is the way to gain customers from the 'Alkathene' national campaign. You'll find there is a profitable future in 'Alkathene'!

'ALKATHENE' is the registered trade mark for the polythene made by I.C.I.

.BUT LOOK WHAT YOU CAN SELL HER!



MADE FROM

ALKATHENE

ICI POLYTHENE

LOOK FOR
THIS LABEL

Articles bearing this label are made from 'Alkathene', the sign of the highest quality.

Sell all these in 'ALKATHENE'

HERE IS A WIDE RANGE, in a rainbow of attractive, modern colours. Everything to lighten the housewife's work in the home!

And everything is being done to lighten *your* work too! All advertisements for 'Alkathene' houseware will display the label and panel shown on the left; manufacturers are being encouraged to fix the labels on their goods and feature them on their display material. The housewife will recognise the label as soon as she sees it in your window or on your counter. Make no mistake, she'll "ask for 'Alkathene'"!



AH.2/T

The BARTEX mirror-brush a holiday must!



Have Bartex mirror-brushes on display when women come to buy their holiday needs.

They're just the thing to put in the holiday hold-all. They're so light, so smart, so easy to pack—and such a modern idea! Exactly what the fair sex will be looking for. Exactly right for use in the hotel, on the beach, everywhere.

Here's the brush all women will be proud to own. An irresistible buy at 2/6 retail

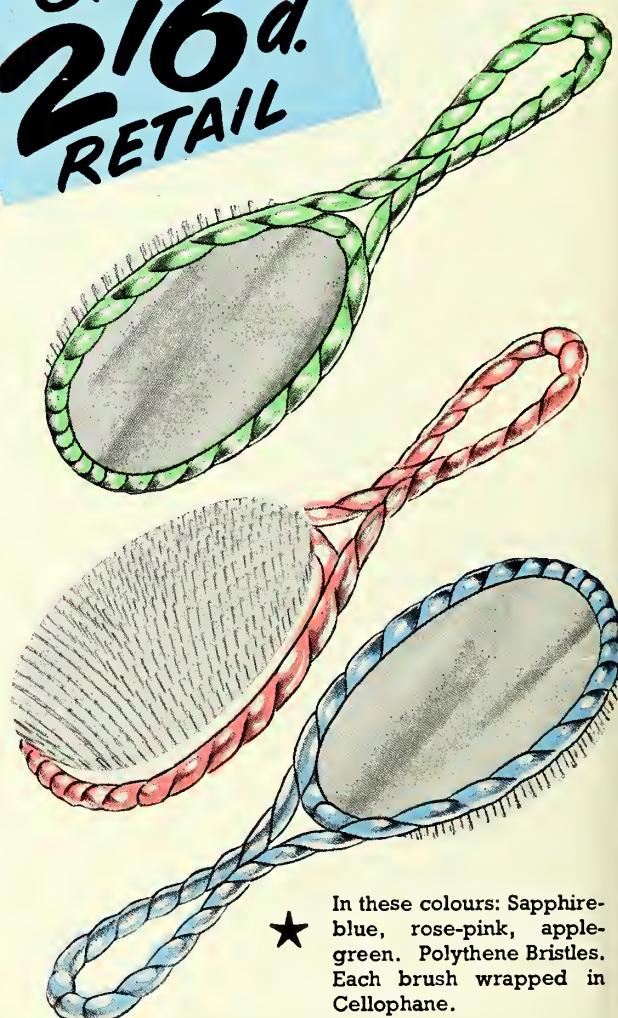
*Order from your Wholesaler
NOW!*

All Wholesale enquiries to :

ALFRED FRANKS & BARTLETT CO., LTD.

226/8 Grays Inn Road, London, W.C.1.

Telephone : TERminus 9865/8



In these colours: Sapphire-blue, rose-pink, apple-green. Polythene Bristles. Each brush wrapped in Cellophane.

PARADOR

OPENS THE DOOR

to bigger business in AIR FRESHENERS

PARADOR will be even more profitable to you this year. PARADOR is the one-perfume air freshener which appeals to discerning women everywhere—they particularly like its neat appearance.

NATIONAL ADVERTISING →

Regular advertisements are appearing in the following they have a combined circulation of 18 millions !

RADIO TIMES	WOMANS OWN
WOMAN	WOMANS WEEKLY
WOMAN & HOME	THE LADY
IDEAL HOME	HOUSEWIFE
WOMANS JOURNAL	GOOD HOUSEKEEPING
VOGUE	HOUSE & GARDEN
HOMES & GARDENS	



← SELLS ON SIGHT

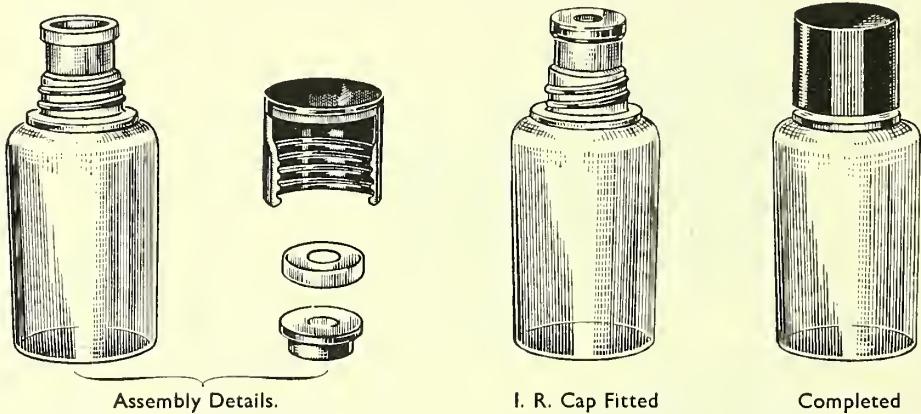
The bright and compact display outer ties in with all this advertising.

THOMPSON & CAPPER
WHOLESALE LTD.
MANUFACTURING CHEMISTS, SPEKE LIVERPOOL 19
Telegrams : 'Sanitas'

D

The "Clinbritic" Mark II

Multi-Dose Injection Bottle



After very many years of useful service, the original "Clinbritic" Vaccine Bottle (Patent No. 492200) has been improved by the incorporation of a SECURITY SEAL. All the main features have been retained—Alkaline free bottle (clear or amber), rubber cap, and bakelite cap with special faced wads. The "skirt" of the rubber cap is eliminated and in its place the rubber plug is held in position by an aluminium sealing ring, applied by means of a simple closing tool.

The original "Clinbritic" Vaccine Bottle, which will continue to be available, was featured in the Medical Research Council's War Memorandum No. 15 as follows :—

"A very satisfactory pattern of vaccine bottle, which is rapidly coming into general use, is that described by Berry (1938). The skirted rubber vaccine cap, which closes the bottle, is protected by an outer Bakelite screw cap containing an absorbent pad which can be impregnated with a 10 per cent. solution of chloroxylenol B.P. Provided that the pad is kept well wetted with the solution of chloroxylenol, the skirted rubber cap beneath it will remain always sterile, and will require no further treatment before puncturing."

FULL DETAILS AND SAMPLES FROM:—

BRITTON MALCOLM & CO LTD

38 SOUTHWARK BRIDGE  ROAD · LONDON · S · E · 1

WAT 4874/6

D E P E N D A B L E

DISPLAY AND SELL

THE **SALTER "MAYFAIR"**

PERSONAL WEIGHER

Today, with more and more people becoming interested in dieting and slimming for both health and beauty reasons, it pays to stock, display and sell the "Mayfair" personal machine. Check these advantages and you will see why the "Mayfair" is one of today's best sellers.

- Priced at only 66/6d. plus Purchase Tax.
- Rubber-encased platform gives a non-slip weighing surface, with no dust or water trapping crevices. It also prevents damage to skirting boards.
- Streamlined design for easy cleaning.
- Graduated 20 stone x 1 lb.
- Strong, compact and easily portable.
- It is made in the Midlands of England, by Salter—makers of weighing machines for nearly 200 years.
- A full-colour showcard is available free on request for point-of-sale display.



ONLY
66/6
PLUS P.T.

NATIONALLY
ADVERTISED IN

John Bull, Woman and Beauty, Vanity Fair, Britannia and Eve, Everywoman, Good Housekeeping, Ideal Home, Reader's Digest.

★ For those who prefer the full view dial-type machine, the popular "Grosvenor" and "Windsor" models are still in production.

Geo. Salter & Co. Ltd., West Bromwich.



Business has never been so brisk in these supreme quality nylon hair nets. Attractive hanging cards with 3 or 6 dozen bright film envelopes are supplied for all grades of LION nylon hair nets and smart stand-up counter dispensers contain the ever popular LION 8 nylon hair nets.

No finer Quality LION NYLON HAIR NETS

LION 7 (Strong general purpose nylon)
LION 8 (15 denier, small mesh)
LION 9 (Another very fine hair net)

Order from your wholesaler, or if difficulty, write for address of nearest supplier.

ROBERT SHAW & CO. LTD.
ASCOT ROAD, NOTTINGHAM
Tel. NOTTINGHAM 77231/2
LONDON OFFICE: CONDOR HOUSE, ST. PAUL'S CHURCHYARD, E.C.4. Tel. CITY 3359

Makers of Quality Hair Nets since 1905

PRIDE

THERE IS NO SUBSTITUTE FOR SPRAYING LIGHT LACQUER

IN THE NEW SUPER SPRAY

**26/- doz.
retail 3/9 each**

This really fast selling NATIONALLY ADVERTISED product shows over 75% profit on cost. Packed in this new sensational spray, cartoned and displayed, 20% more content, with an exceptional hard wearing flexible bottle.

IMPORTANT LINES IN THE PRIDE RANGE

Pride Lacquer Refills, in smart plastic sachet. Retails 2/6 each.

Pride Perfumery Essence. Retails 1/3 each.

Pride Spraying Brilliantine. Retails 3/9 each.

PRIDE BRILLIANT GLITTERS, in six attractive colours. Retails 2/3 each.

PRIDE COLOUR STREAK, in six colours. Retails 3/9 each.

PRIDE EGG AND LEMON Shampoo in 3 shampoo tubes. Retails 9d. each.

In 24 shampoo Plastic Injector Dispenser. Retails 3/9 each.

From your usual wholesaler or direct

B. N. FURMAN (Productions) LTD., LONDON, N.4

**FIRMNESS
COMFORT
DURABILITY**

'OLYMPIC' Hose — For severe varicosities and sprains. Made from stout or fine thread in a knitted fabric incorporating elastic yarn. The only one-way-stretch elastic hose with a fashioned insert.

'SURGYLON' Hose — for early and mild varices. Two-way stretch elastic net stockings in fine, open mesh nylon fabric — light, well ventilated, inconspicuous.

Both prescribable under the N.H.S.

Manufactured by Everlastic Ltd. for
FASSETT & JOHNSON LTD.,
86 CLERKENWELL RD., LONDON, E.C.1

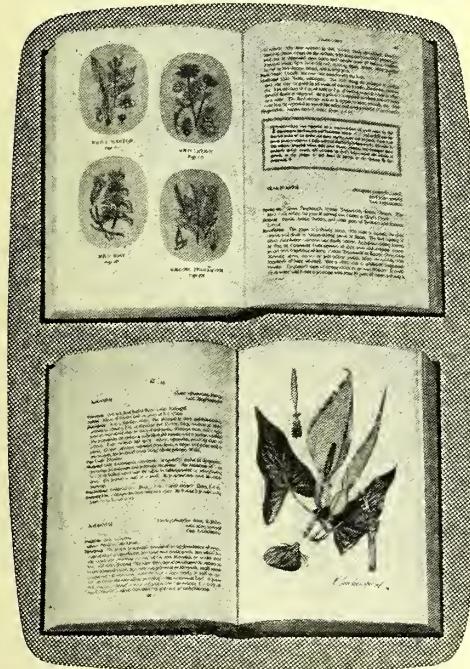
New and revised

"This book is unique in the English language and is a valuable source of reference to all who are interested in the origin and uses of botanical drugs."

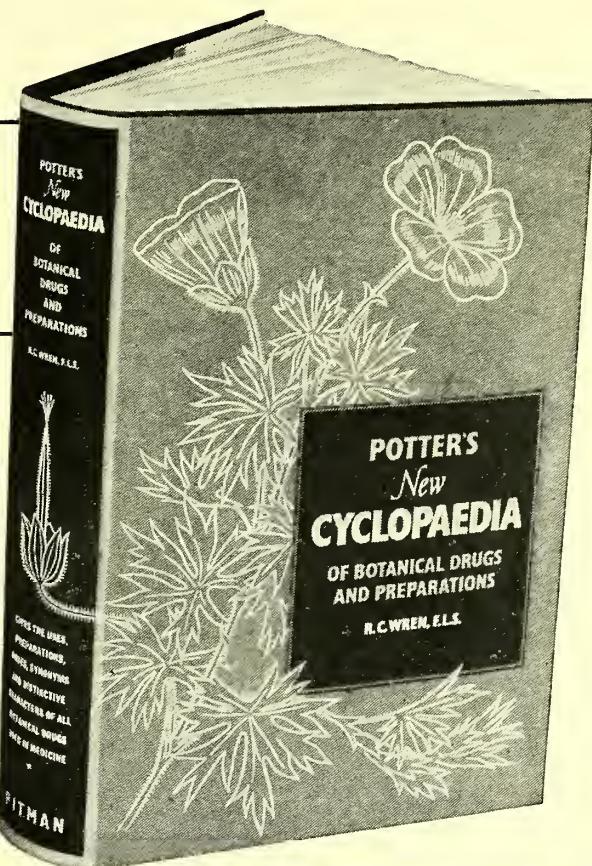
T. E. Wallis, D.Sc. (Lond.), F.R.I.C., F.P.S.
Emeritus Curator of the Pharmaceutical Society of Great Britain and sometime reader in Pharmacognosy
University of London.

- * Gives the uses, Preparations, Doses, Synonyms and Distinctive Characters of BOTANICAL DRUGS used in Medicine.
- * HAS NEARLY 3,000 AUGMENTED REFERENCES
- * PROFUSELY ILLUSTRATED WITH ENGRAVINGS AND NEW COLOUR PLATES
- * BEAUTIFULLY BOUND — A HANDSOME AND VALUABLE ADDITION TO ANY LIBRARY

An indication of the format of the New Cyclopaedia is given in the pages illustrated.



Send NOW for
POTTER'S NEW CYCLOPÆDIA
of Botanical Drugs and Preparations
Price 37/6. Single Copies Postage 1/5.



Every Chemist and all who are interested in Botanical Drugs will want to own this new and revised reference book.

This is the seventh edition of an unique book that has met with amazing success throughout the world. This fine edition has been redesigned and re-edited to bring it up to date not only in its literal content, but also in its presentation. The Cyclopaedia now measures 9½" x 6", has gold blocked covers, an attractive dust jacket in two colours, is printed on fine quality paper, and handles, as it should, like a collector's piece.

Potter's Cyclopaedia is up-to-date with reference to the British Pharmacopoeia 1953, the British Pharmaceutical Codex 1949 and the U.S. Pharmacopœia XIII.

Concise and essentially practical, this is an authoritative guide that can be put to very good use by the Chemist in his everyday work.

POTTER'S CYCLOPÆDIA

Post to: POTTER & CLARKE LTD. River Road, Barking, Essex
I enclose for copy(ies) of the
7th Edition of Potter's Cyclopaedia.

Name
Address



The statisticians tell us that every other family in your neighbourhood will see this PARADOR advertising in the RADIO TIMES. Even if you take your statisticians with a pinch of salt, you're still left with a whole lot of people. Hundreds and thousands of them will want Parador freshness in their bathrooms and kitchens—and that's just where *you* come in. Put the Parador display on your counter and put money in your pocket. Open *your* door to more business—with the help of the RADIO TIMES.

one of the products that MOVE with the

RADIO TIMES

CERTIFIED WEEKLY NET SALES JAN.-DEC. 1955—8,800,715

All enquiries for advertisement space to:

TOM HENN, HEAD OF ADVERTISEMENT DEPT., BBC PUBLICATIONS, 35 MARYLEBONE HIGH STREET, LONDON, W.1

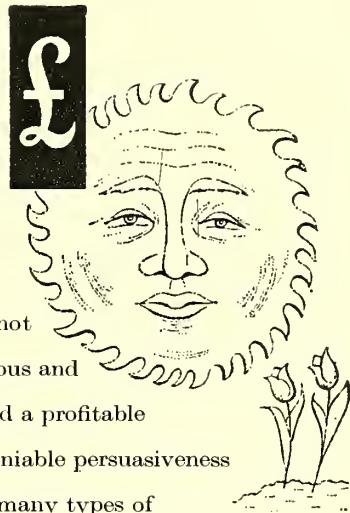
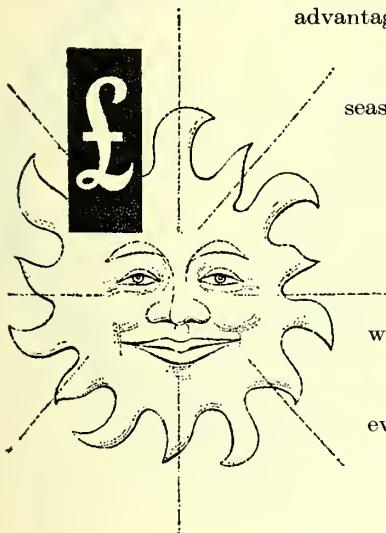
CRC T2



Perennial Profit

From the chemist's point of view, the advantage of stocking a laxative is that the demand for it is continuous—not seasonal. When the laxative is as efficacious and well known as Agarol, it is indeed a profitable venture. The gentle yet undeniable persuasiveness of Agarol makes it very useful for many types of patient . . . elderly and very young people, pregnant women and sufferers from constipation and haemorrhoids.

Agarol is a preparation that you can supply with every confidence whenever you are asked to recommend an aperient. It is suitable for use in any age.



No Warner preparation has ever been advertised to the public

Agarol is available in bottles containing 6 and 14 fluid ozs. at 3/7d. and 7/2d.; list price per dozen 27/- and 54/- respectively, excluding Purchase Tax; for dispensing only, in tax free bottles of 80 fluid ozs. at 18/6d. each.

AGAROL

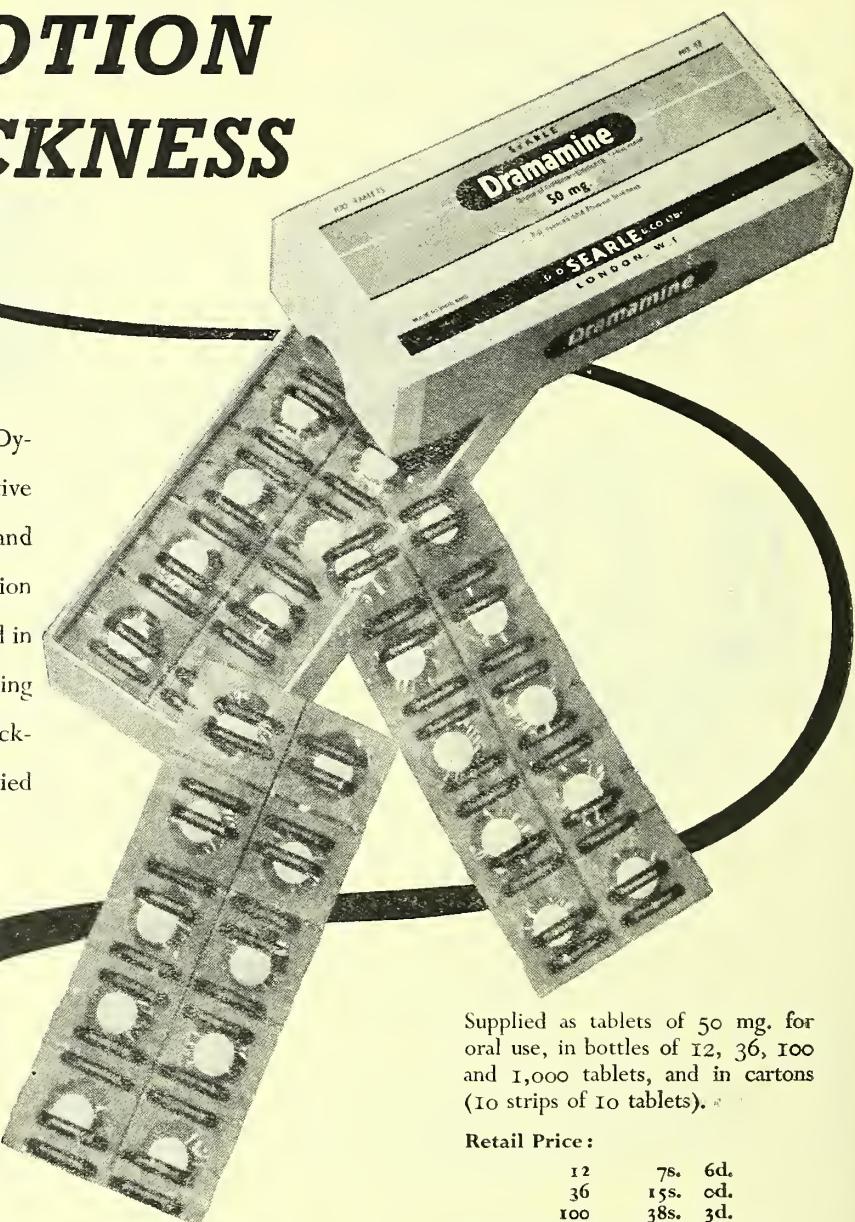
P.A.T.A.



Treatment or Prophylaxis of

MOTION SICKNESS

"Dramamine", Brand of Dymenhydrinate, is an effective non-toxic prophylactic and therapeutic agent for motion sickness. It is also indicated in nausea and vomiting following anaesthesia and in the sickness of pregnancy and allied conditions.



Supplied as tablets of 50 mg. for oral use, in bottles of 12, 36, 100 and 1,000 tablets, and in cartons (10 strips of 10 tablets).

Retail Price :

12	7s.	6d.
36	15s.	od.
100	38s.	3d.
1000	360s.	od.

Trade terms 33½% discount.

"Dramamine" is a Registered Trade Mark.

Order through your Wholesaler

SEARLE

G. D. SEARLE & CO. LTD.
83, CRAWFORD STREET, LONDON, W.1

E. Illingworth & Co. (Bradford) Ltd.

Cotton Wools

B.P.C. QUALITY COTTON WOOLS

HOSPITAL QUALITY COTTON WOOL
(Drug Tariff)

Sterilised and Unsterilised in all weights, for Home and Export.

Quantities labelled with your own labels.

*COTTON WOOL DISPENSER
(Pleated filling, Attractive Pack)

BOTTLE NECK WOOL, FILTER PADS
WOOL AND COTTON TISSUE B.P.C. Quality
RESPIRATOR REFILLS
KNITTED BANDAGES

Packing Materials

NEEDLELOOM FELTS

for thermal, sound and vibration insulation and protection.

Cotton Wools

Bleached and Unbleached Rolls from 2 in. to 40 in. wide, weights 3 oz. per sq. yd. upwards.

**Only as much as is needed is pulled out at a time!*

Illmond Cotton Wool Dispenser Pack

Package has tuck-in ends and can be resealed. Hygiene ensured. Elegant design of pack makes it perfect for a lady's dressing table.

E. ILLINGWORTH & CO. (BRADFORD) LTD.

Shelf Mills, Shelf, Halifax

Tel: Low Moor 400/4

Grams: "Illmond" Bradford



THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 165

May 19, 1956

No. 3978

CONTENTS

Agricultural Chemists' Notes	... 417
Analytical Testing by Pharmacists	... 404
An English Pharmacist in Canada—2	418
A Pharmacist's Anthology	... 418
Better Service from the Finisher	... 415
Consumption of Dangerous Drugs	... 405
Correspondence	... 414
First Polio Vaccine Distribution	... 405
Leading Articles:—	
A Shift of Attack	... 413
Machines to Replace Manhandling	411
Onward from Galen	... 413
Pharmaceutical Society of Ireland:—	
Council Meeting	... 416
Slogan Competition Prize-winners	409
Topical Reflections	... 403
Trade Notes	... 408

A Pharmacist's Sign	414	Marriages	... 407
British Fine Chemicals	415	New Products	... 410
Business Changes	... 406	News in Brief	... 402
C. & D. Retail Price List	424	Personalities	... 407
Coming Events	... 424	Photographic Notes	... 410
Company News	... 406	Price Changes	... 424
Deaths	... 407	Print and Publicity	... 424
In Parliament	... 403	Sport	... 403
Irish News	... 402	Trade Marks	... 423
Legal Reports	... 406	Trade Report	... 421
Local Officers	... 403	World Trade	... 423

INDEX TO ADVERTISERS, Pp. 5 & 6.

EDITORIAL AND PUBLISHING OFFICES

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone: Central 6565

Telegrams: Chemicus, Estrand, London

Branch Offices:

BIRMINGHAM, 2: 111 New Street.

Phone: Midland 2921

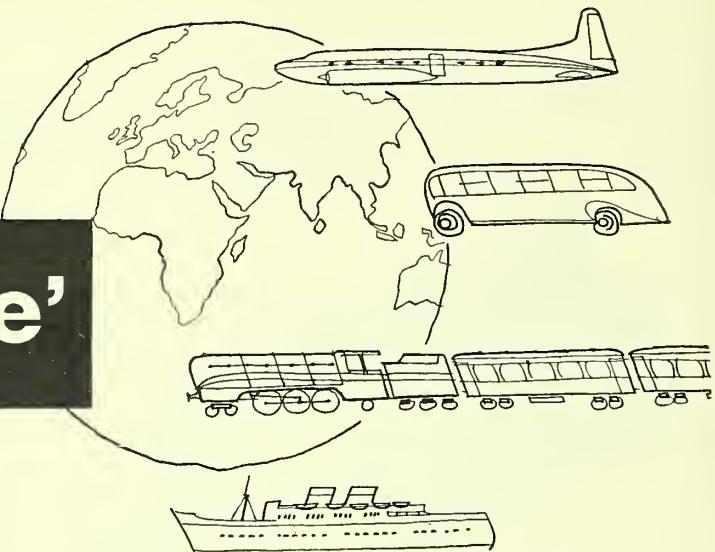
GLASGOW: 35 Kings Lynn Drive, LEEDS, 16: 32 Wynford Rise,
King's Park, S.2. West Park. Phone: Leeds 67.8438

Phone: Langside 2813

ANNUAL SUBSCRIPTION, which includes The Chemist and Druggist Diary and Year Book, £2. Single copies one shilling each.

'Marzine'

is going
a long way



'MARZINE' is already the choice of experienced travellers. Now national advertising is bringing '**MARZINE**' to the notice of all who contemplate travelling, whether for business or pleasure.

During the peak travel period, '**MARZINE**' advertisements will be appearing in the following newspapers and magazines :

Daily Express
Daily Telegraph
Sunday Dispatch
Sunday Times
Daily Mirror
News Chronicle

Sunday Express
Readers Digest
Daily Mail
Observer
Sunday Pictorial

Special advertisements for parents are scheduled for :

Parents • Wife & Home • Woman & Home
Family Doctor • Nursery World

This nation-wide campaign is going to rocket sales of this effective, swift and safe travel sickness preventer.

BUILD UP YOUR STOCKS
NOW AND BENEFIT
FROM THE
BONUS OFFER

Orders for 3 dozen or more
carry a bonus of one
free tube with each dozen

Retail price
2/6d. per tube

'Marzine'
TRADE MARK
stops travel sickness



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON



The CHEMIST AND DRUGGIST

Volume 165

MAY 19, 1956

No. 3978

Council Election Results NEWCOMER TAKES SIXTH PLACE

ONE new member, Mr. J. Farrer Barnes, Liverpool, was elected and came sixth in the Pharmaceutical Council election which closed at noon on May 16. The six retiring members of Council were re-elected. The figures were:—

ELECTED	
HESELTINE, T.	6,006
BROCKLEHURST, E. A.	5,973
STEINMAN, H.	5,204
WELLS, F. G.	4,447
BURR, Mary A.	4,171
BARNES, J. Farrer	3,947
HUGHES, G. H.	3,651

NOT ELECTED

Islip, Mary C.	3,012
Stevens, C. C. B.	2,961
Booth, T. C. N.	2,833
Park, W. A.	2,773
Chamings, A. R. G.	2,624
Hincks, M. Janet	2,296
Holland, K.	1,835

The number of voting papers issued was 26,804; 9,318 were returned, of which seventy-two were disallowed.



THE
NEWLY
ELECTED
MEMBER
OF COUNCIL,
a Liverpool man,
Mr. J. Farrer
Barnes, M.P.S.

Diploma in Technology

DETAILS ANNOUNCED

DETAILS of a Diploma in Technology to be awarded by the recently set up National Council for Technological Awards were announced by Lord Hives (chairman of the Council) at a Press conference in London on May 14. The diploma is the first, and for the time being the only, award granted by the Council. Courses for the diploma will be equivalent in standard to honours degree courses at a British university, and the award will be denoted by "Dip. Tech. (Eng.)" for engineering and by "Dip. Tech." for other technologies. There will be first and second honours classes, the intention being that a student who successfully completes the course will normally reach the level of second-class honours. Those who do not reach that standard may be con-

sidered for award of a diploma at pass level. The courses will cover basic science and technology, and will be more closely related to industrial training than existing university courses, and will include management subjects.

N.P.U. Executive

MEMBERS ELECTED FOR 1956-59

AT the thirty-fifth annual meeting of the National Pharmaceutical Union held recently, the names of members elected to the Executive Committee for 1956-59 were announced. They are Messrs. A. Aldington, E. A. Brocklehurst, H. B. Coulson, G. T. M. David, G. H. M. Graham, T. Heseltine, H. Holmes, A. Howells, G. H. Hughes, H. G. Moss, C. Orrell, W. Talvan Rees, P. D. J. Spaanderman, S. J. Stearn, H. Steinman, L. H. Teare, W. J. Tristram, and F. G. Wells. At the N.P.U. Executive meeting on April 25 the following officers were elected for



TYNESIDERS AT FOLKESTONE : Members of the Tyne, Wear and Tees Branch of the Guild of Public Pharmacists photographed during a visit to the control laboratory at the processing and packaging plant of Pfizer, Ltd., Folkestone, Kent, recently. Left to right are Misses O. Wearnouth, D. Caplan (staff of Messrs. Pfizer) and P. Neil, Messrs. Gilliland, T. Johnstone and R. P. Wilkinson.

1956-57: Chairman, Mr. A. Aldington; Vice-chairman, Mr. P. D. J. Spaanderman; Treasurer, Mr. S. J. Stearn.

U.S. and British Photos

"BEST OF BOTH WORLDS" EXHIBITION

AN exhibition entitled "The Best of Both Worlds" is being held at Kodak House, Kingsway, London, W.C.2, June 1-23. It will present the work of some of America's most outstanding photographers side by side with that of leading British craftsmen in the same field. Staged in collaboration with the Institute of British Photographers, the exhibition is being opened at a private view by the American Ambassador. Over 170 pictures will be on show. The exhibition will be open to the public (Monday to Friday, 9.30 a.m. to 6 p.m.; Saturday, 9.30 a.m. to 11.30 a.m.).

Firm Prices Plea

WARTIME QUOTING METHOD DENOUNCED

ADDRESSING the annual meeting of the National General Export Merchants' Group on May 10, Mr. L. S. Berry (chairman) pleaded vigorously for a return to firm price trading. In the preceding twelve months, Mr. Berry recalled, the group had done everything in its power to warn the Government and manufacturers alike that continued adherence to the wartime practice of

quoting at prices ruling at date of delivery was seriously damaging Britain's commercial reputation and goodwill abroad, but in spite of all that had been said and done many suppliers still failed to recognise the fact.

Scottish Executive

APRIL MEETING

A MEETING of the Executive of the Scottish Department was held in Edinburgh on April 25. Regret was expressed at the retirement from the Society's Council of Mr. C. W. Macfarlane and a tribute was paid to him by the chairman (Mr. W. A. Park), seconded by Mr. W. T. Elder, for his work as a member of Council. It was agreed to hold a meeting of scrutineers at 7.30 p.m. on June 12 and the annual meeting and Branch Representatives' meeting in Edinburgh at 2.30 p.m. on June 13. It was announced that the subject for discussion at the meeting would be "The Educational Policy of the Society." Mr. C. W. Macfarlane agreed to open the discussion. It was stated that the annual report of the Executive was being issued to members in Scotland on May 4. As a result of a referendum to members of the Glasgow and South-western Scottish Branch residing in Ayrshire and in Dumfriesshire, Kirkcudbrightshire and Wigtonshire, it was decided to convene meetings of members in Ayr and Dumfries with the object of forming two new Branches.

The inaugural scientific evening meeting of the coming winter sessions is being held in Edinburgh on November 16, when Professor G. H. Percival (department of dermatology, Edinburgh University) is giving an address. The dates of evening meetings in 1957 are January 16, February 13, and March 13. Of four candidates who entered the examination for the Diploma in Biochemical Analysis held in April three passed. It was reported that the attention of the Society had been drawn to the fact that some pharmacists were using the Society's coat-of-arms in connection with their business. The coat-of-arms, it was stated, was granted by the College of Arms to the Society for its corporate purposes only, as a seal for its official documents or for use on the Society's stationery. It was agreed that that position, which was clearly set out in the "Statement upon Matters of Professional Conduct," Section 23, should be brought to the notice of pharmacists by means of a paragraph in the annual report of the Executive.

The Executive approved a proposal to form a Scottish History of Pharmacy Committee. Mr. C. G. Drummond and Drs. D. McCall and G. H. Macmorran will form the nucleus of the committee with others to be recruited from pharmacists interested in the subject, not necessarily members of the Executive. MR. DRUMMOND suggested that documents and books should be exhibited in showcases at York Place. The secretary of the Dundee Retail Pharmacists' Association wrote requesting the Executive to act about the necessity for pharmacists to have statutory declarations for methylated spirit signed by a J.P., and about the exemption of pharmacists in Scotland from jury service. It was agreed that, as a first step, the

branches in Scotland should make representations to their Members of Parliament. THE CHAIRMAN reported that Mr. Edward J. D. Christie, Old Meldrum, had presented to the Scottish Department a very old book, which appeared to be a very early edition of a pharmacopœia by Nicholas Culpeper. It was agreed that the book should be shown to the Scottish History of Pharmacy Committee and its comments requested.

A Golden Jubilee

BUYER'S FIFTY YEARS WITH COMPANY

ON April 30, S. Maw, Son & Sons, Ltd., Barnet, Herts, celebrated the golden jubilee of Mr. Ernest Springett (advertising manager until 1950, now a senior buyer) by presenting him with a gold watch and a cheque on behalf of his



Mr. D. W. Harris, on behalf of S. Maw, Son & Sons, Ltd., makes a presentation to Mr. E. Springett in celebration of his completing fifty years with the company.

colleagues. Mr. Springett is the sixty-third member of the company to reach fifty years' service since it was founded in 1807. He started his career with Messrs. Maw in 1906 as an office boy and has been stationery buyer, print buyer and assistant advertising manager before holding the post of advertising manager, 1933-50. He is now responsible for all toilet buying.

IRISH NEWS

New Dublin Factory

"A MODEL FOR IRISH INDUSTRY"

A NEW factory of Proprietaries (Eire), Ltd., Long Mile Road, Drimnagh, Dublin, was officially opened recently by Mr. William Norton (Irish Minister for Industry and Commerce). Among those present were Messrs. H. G. Lazell (managing director, Beecham Group, Ltd.), G. T. Ponsonby and Frank S. Lomax (chairman and managing director, respectively, Proprietaries (Eire), Ltd.). Mr. Norton spoke of the new factory as "a model for Irish industry." At a luncheon afterwards, Mr. Ponsonby described the company's expansion in Ireland and said that it was hoped that Ribena production would ultimately be of importance to the Irish company. Already a nominal acreage of blackcurrants had been planted in co. Wexford. To mark the opening the directors donated a day's production of Lucozade to Dublin hospitals.

NEWS IN BRIEF

AVERAGE cost of prescriptions in Walsall, Staffs, is less than elsewhere.

ROBERTS Windsor Soap Co., Ltd., have been appointed toilet soap makers to Queen Elizabeth, the Queen Mother.

SIR Graham Hayman has been re-elected president of the Federation of British Industries for a second year.

THE annual course in tropical hygiene for laymen is being held by the Ross Institute, Keppel Street, London, W.C.1, July 16-20.

THE Duchess of Kent with Princess Alexandra and Princess Elizabeth of Yugoslavia visited the Brentford factory of Coty (England), Ltd., recently.

AN objection by Mr. E. Hodgson, M.P.S., to the rating valuations of his shop, 41 Highgate, Kendal, Westmorland, was dismissed by Westmorland valuation panel recently.

A RESEARCH fellowship in advertising and promotional activity is being set up at the London School of Economics. For the first seven years the cost is being borne by eight companies.

GLASGOW C.F. Committee is organising a C.F. display fortnight in the city, June 4-18, and the convenor (Mr. R. F. Mackay) has circularised chemists asking for their full co-operation.

SEVERAL exhibits showing recent progress made by the pharmaceutical industry in Britain are to be shown at the Canadian National Exhibition in Toronto, August 24 to September 8.

SIR Harry Jephcott (chairman, Glaxo Laboratories, Ltd.) has been appointed chairman of the Advisory Council of the Department of Scientific and Industrial Research in succession to Sir Hugh Beaver.

THE following officers of the Liverpool Chemists' Golfing Society have been elected for 1956-57:—Captain, Mr. E. G. Patterson; Treasurer, Mr. A. L. Saul; Secretary, Mr. C. S. Cullen, 74 Priory Road, Liverpool 4.

AT the Oxfordshire agricultural show on May 8, the Ovaltine Jersey herd gained five awards, including one first, two seconds and the silver challenge cup for the best group sired by an English bull.

SIR Harold Gillett has been elected chairman of the London Chamber of Commerce in succession to the late Mr. Frank Travers. Mr. Allen L. Stock was elected deputy-chairman and Mr. Richard Wills treasurer.

IN the present state of knowledge a national publicity campaign on the connection between smoking and lung cancer would not be appropriate, stated MR. R. H. TURTON (Minister of Health) in the House of Commons on May 7.

RECENTLY elected foreign members of the Royal Society include Mr. Robert Burns Woodward (Cambridge, United States) for his investigations in organic chemistry, especially on the synthesis of natural products such as quinine, cortisone and the antibiotics.

THE half-yearly court of governors of the Commercial Travellers' Benevolent Institution is meeting at Berners Street, London, W.1, on June 16, where all standing candidates are being re-

commended by the board for election without ballot.

HUDDERSFIELD town council recently approved a scheme proposed by its health committee to sell at reduced retail prices at maternity and child welfare clinics special packs of proprietary brands of children's foods. The local Chamber of Trade protested against that decision on April 9, and has asked the council to discuss the matter.

MR. E. L. Archer (assistant personnel manager, Boots Pure Drug Co., Ltd.) has been appointed chairman of one of the twenty study groups of the Duke of Edinburgh's study conference on the human problems of industrial communities within the Commonwealth and Empire, which is being held at Oxford, July 9-27.

APPLICATIONS for grants from the research fund of the Chemical Society, for the assistance of research in chemistry, should be submitted by November 15; application forms and regulations governing the award of grants may be obtained from the general secretary, the Chemical Society, Burlington House, Piccadilly, London, W.1.

SPORT

Golf.—ULSTER CHEMISTS' GOLFING ASSOCIATION, Groves cup competition at Royal Belfast golf club, Craigavon, on May 2, Final, H. Caren defeated G. P. Taylor 5 and 4. Best gross, G. Taggart; First bogey, J. Kennedy; Second bogey, W. S. Moore.

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY at Buxton High Peak on May 9. Kerfoot trophy and prize, 1, Mr. R. Ogden; 2, Mr. H. Oldham. After the presentation dinner, Mr. and Mrs. Kerfoot entertained the committee at their cottage.

IRISH CHEMISTS' GOLFING SOCIETY at Dun Laoghaire golf club recently. Prizes presented by May, Roberts (Ireland), Ltd. Results, Eighteen Holes Strokes, 1, M. P. McCooey (13) 65; 2, M. Nicell (23) 70; Best First Nine, A. Walsh (9) 32; Best Second Nine, T. J. Lynch (6) 37; Eighteen Holes Bogey, 1, A. C. Hennessy (10) 1 down; 2, P. McAuliffe (14) 2 down. The annual three-day outing is being held at Rosslare from May 27.

Bowls.—ULSTER CHEMISTS' ASSOCIATION. Mr. T. A. Ross has been appointed Captain; Committee, Messrs. J. Caldwell, G. Hamilton, R. A. Johnston, S. Magowan, S. T. McIlroy, J. Wellwood. The annual tournament is being held in Belfast bowling club, Belfast, on May 30.

LOCAL OFFICERS

PHARMACEUTICAL SOCIETY

Finchley Branch.—Chairman, Mr. D. Neil; Vice-chairman and Assistant Secretary, Mr. G. P. Davies; Treasurer, Mr. J. Shore; Secretary, Mr. C. Bolton, 75 Twyford Avenue, London, N.2. **South-east Metropolitan Branch, and South-east London Chemists' Association.**—Chairman, Mr. W. Crombie; Vice-chairman, Mr. A. E. S. Hull; Junior Vice-chairman, Mr. F. J. Brean; Social Secretary, Mr. A. F. Browne; Treasurer, Mr. J. E. Hook; Secretary, Mr. W. A. Howard, 5 Torridon Road, Catford, London, S.E.6. **Southampton Branch.**—Chairman, Mr. J. Swan; Vice-chairman, Mr. I. Pring; Treasurer, Mr. G. Duncan; Social Secretary, Mr. E. Bonnar; Secretary, Mr. F. Murley, The Pharmacy, Fawley.

IN PARLIAMENT

MR. G. LLOYD GEORGE told MR. D. SWINGLER, in a written answer May 10, that he hoped to introduce legislation on shop closing hours as soon as Parliamentary time could be found for it.

TOPICAL REFLECTIONS

By Xrayser

Coupons

Not much more than five years ago—on September 10, 1950, to be precise—the Ministry of Food decided to deration soap, and the pharmacist bade farewell to the restrictive practice of cutting out coupons, counting them and returning them at stated intervals to the bureaucrats. At long last, five years after the end of the war, we were free of the time-consuming nuisance and irritation of saving up pieces of paper, filling up forms, checking returns and posting bulky envelopes to a central address. In accordance with political promises we were gradually being permitted to shake off the shackles. Rationing was finished, and the coupon was buried—or so, in our innocence, we imagined. The coupons, the cutting-out and the posting are still with us, though the bureaucrats are no longer governmental. One put up with the inconvenience of coupons in a national emergency, but is there any good reason why we should tolerate coupons today? An N.P.U. conference at Southend has asked for a more militant policy towards coupon trading (p. 392). It seems extraordinary that large interests should be able to force coupons on unwilling retailers, and I have often felt that there is a better method here of reducing prices than by the breaking up of resale price maintenance machinery. If a one-and-ninepenny article can be sold for one and fivepence, why not sell it at the latter figure and stop the expensive and troublesome nuisance of the coupon? I ask my customers the question when they present pieces of paper which I had hoped we were finished with in 1950.

A Nice Dilemma

I referred in a recent paragraph to the refresher courses in pharmacology which the doctor receives at frequent intervals from what have come to be known as medical representatives. With an appalling disregard for the conventions of the age, a Member of Parliament has described those ambassadors of modern treatments as "canvassers on the doctor's doorstep." The debate in which the statement was made was concerned with the Guillebaud report, and one begins to have a feeling of sympathy for Government spokesmen who find themselves trying to steer a middle course through the conflicting currents of fact and opinion. It is necessary to deplore the rising costs of the pharmaceutical service due to the growing drug bill, while at the same time admitting that certain expensive treatments save money in the hospital service. It is necessary to warn the doctor against the prescribing of expensive proprietary preparations, while at the same time making it abundantly clear that there will be no interference with the clinical freedom of the doctor in the prescribing of what he considers his patient requires. And while deplored the increasing use of proprietary medicines at home, the export value of those same medicines is matter for congratulation. So after a session of paradox and contradiction, the house presumably takes a chemical tranquilliser and rises—to go to bed.

Elevenses

The mid-morning cup of tea has become almost a ritual in business today, and little thought is given to the popularity of tea. Yet it was as late as 1660 that the first mention of tea appeared in the statute book, and a duty of fourpence a gallon was laid on the beverage sold in coffee-houses. How such duty was controlled we have no means of knowing. It seems a little hard to think of copious further addition of boiling water to the original infusion being made the subject of increased revenue. In 1641, Tulpius, a celebrated physician in Amsterdam, wrote in praise of the good qualities of tea, and it was unkindly asserted that he did so at the instance of the Dutch East India Company, which did not suffer the encomiums to go unrewarded. About the time of the Great Fire of London, tea sold for 60s. per lb. During the eighteenth century the British East India Company increased its sales four-hundred fold, and tea acquired a popularity which now threatens the whole structure of business!

ANALYTICAL TESTING BY PHARMACISTS

Its possibilities outlined at London evening meeting

THE extent to which a pharmacist in retail or hospital practice should be prepared to carry out simple analytical tests was discussed by Dr. E. F. Hersant (a joint secretary, British Pharmaceutical Conference) at an evening meeting of the Pharmaceutical Society in London recently.

Reputation not Profit

DR. HERSENT said that incursions into analytical chemistry were not likely to bring the pharmacist any direct financial benefit but they would enhance his status among colleagues, medical practitioners and customers.

One type of testing that a pharmacist should be prepared to undertake was the identification of a single drug. The question of identification might arise in the case of material, the label of which had been misplaced, or some physical feature of a new delivery of a chemical might cause a pharmacist to suspect its identity.

If the suspected material was official in the British Pharmacopœia or British Pharmaceutical Codex, one would apply the identification tests given therein. If the sample failed to comply with one of the tests, it was certain that the unknown was not that particular substance. If the unknown did comply with the identity tests given in the Pharmacopœia one could not necessarily assume that the identity had been established. The official identity tests for inorganic compounds were almost conclusive proof, but not for organic compounds.

For a single pharmaceutical organic chemical, the best single confirmatory test was based on the melting point. The accurate determination of a melting point demanded an accurately standardised thermometer carefully controlled conditions, precise attention to technique particularly the rate of heating and the temperature of immersion of the sample. Many different substances might have melting points that were almost identical, so that even an accurate determination of the melting point might not suffice, but the method of mixed melting points afforded infallible evidence of identification. The procedure was based on the fact that if a substance, A, was mixed with an authentic sample of the same material B, the melting point would be unaltered, but if B, while having the same melting point as A was not identical, then the melting point of a mixture would usually be lower than A or B.

In the case of liquids, there was no simple technique comparable with mixed melting points. For the pharmacist, the identification of liquids was less likely to occur than that of solids except in the case of a solution, when one was more concerned with the identification of the solute than the solvent. In that case one would attempt to evaporate or distil off the solvent at as low a temperature as possible.

For the identification of liquids, the boiling point had to take the place of melting point. The B.P. method for

the determination of boiling points could be scaled down considerably, but for identification purposes a modification of the method originally described by Siwoloboff (*Berichte*, 1886, 19, 795) was more useful. The sample was placed in a thin-walled tube attached to a thermometer by rubber bands or wire so that the bulb of the thermometer was level with the sample. A capillary tube sealed at one end was inserted with the open end in the sample and the whole was immersed to the correct depth in the heating-bath which was heated through 2–3° per minute. As the temperature rose, bubbles issued from the capillary tube until at the boiling-point a continuous stream emerged. It was often difficult to observe the exact point at which the bubbles formed a continuous stream and a modification of the method was to observe the recession point. When the apparent boiling-point had been reached, the source of heat was removed or reduced and the stream of bubbles quickly slowed down and suddenly the liquid was sucked back up the capillary tube. That recession point agreed more exactly with the boiling-point determined by the standard procedure.

Requests to Identify Tablets

Probably the most frequent requests for identification arose in the case of tablets. Apart from lost labels, or mixed tablets, requests might be made for quick identification in connection with treatment of poisoning. The scheme published by Cooper (*Pharmaceutical Journal*, 1954, 2, 481) was useful for preliminary grouping. When those tests had been completed the identification tests prescribed in the B.P. or B.P.C. should be applied, but excipients might interfere in a few cases with the reactions and mask a positive result. B.P. identification tests for tablets were not always sufficient to establish identity and did not necessarily distinguish the tablet from one official in the Codex. The active ingredient of most tablets could be separated in a moderately pure state by treatment with appropriate solvents, and one could apply identification tests to the residue. It was useful to prepare tables showing the various reactions given by members of a particular class of substance, from which one could see how far any particular test was specific and what other tests should be applied. In the case of barbiturates with close melting points, for example, cyclobarbitone, allobarbital and phenobarbital, there was a much wider difference between the melting points of the derivatives.

For the identification of most substances which a pharmacist was likely to examine, the scheme given in volume II of Martindale's Extra Pharmacopœia was an excellent one to follow. If the unknown was found not to be one of the substances included in the tables then the problem was one for the specialist.

Except in the case of alloys used for containers it was unlikely that any inorganic material which a pharmacist

would be asked to identify would contain any of the "rare" elements not included in the usual group tables. The use of hydrogen sulphide in inorganic analysis was objectionable, and during the past five or six years suggestions had been made for the use of thioacetamide in its place. After removal of group I a slight excess of thioacetamide solution was added and the mixture heated on a water-bath for five minutes when the sulphides of group II were precipitated. The precipitates were coarsely crystalline, rendering filtration easier, and were less contaminated with foreign ions.

Paper and column chromatography had been utilised to effect separation of metals after group separation. For small-scale work the use of circular paper chromatography had been adopted. The apparatus required consisted of Petri dishes, capillary pipettes and Whatman No. 1 or No. 2 filter papers. The test was best done using known reference solutions. Either hydrogen sulphide or organic reagents such as dithizone, alizarin, and dimethylglyoxime were used for identification of the spots.

Although mixtures of inorganic substances did not usually present any special difficulties, the analysis of organic mixtures would usually be far more complex. In general, such problems should be left to the specialist. Even in the case of identification of a single substance final confirmation, especially when there was no definite melting point, might require ultra-violet or infra-red spectroscopy or some similar procedure.

Other Analytical Fields

Among other analytical fields in which a pharmacist might usefully engage, one was connected with deterioration of stock. Although no pharmacist could hope to check his stocks of such material as vitamin and penicillin preparations there were a number of simple drugs which were unstable and which were still occasionally the subject of prosecutions under the Food and Drugs Act. Even without an analytical balance there were a number of tests which could be carried out. Soluble barbiturates or soluble sulphonamides which on storage might absorb carbon dioxide could be examined for completeness of solution. The assay of spirit of nitrous ether did not require either a balance or standard solution. It was possible to purchase standard solution or ampoules of concentrated volumetric solutions which only required dilution and with such solutions a pharmacist could examine his stocks of aromatic spirit of ammonia, solution of ammonia etc. There were occasions when a qualitative test for peroxide in ether or test for acid value of an oil might serve to detect deterioration after storage.

For accurate quantitative analysis, a analytical balance weighing to 0.2 mg was required, but a considerable field of useful work might be covered with less sensitive balance. In the majority of cases, the limits permitted for gage

ical preparations and for materials which might undergo deterioration, were of the order of 5 per cent. and not \pm 1 per cent. as was the average limit for pure stable chemicals.

Two fairly recent developments in quantitative analysis were the use of EDTA and titration in non-aqueous solvents. EDTA, or ethylenediamine tetra-acetic acid, in the form of its disodium salt, was included as a volumetric solution in the B.P.C., 1954. Titration in non-aqueous solvents depended on the fact that the basicity of a weak base, such as an alkaloid, was enhanced when glacial acetic acid or certain other organic liquids were used in place of water as a solvent and a sharp end-point was obtainable when the solution was titrated with a standardised solution of perchloric acid in acetic acid. The method had been applied to alkaloids, sulphonamides, amino acids, antihistamines, antibiotics, and with modifications to alkaloidal salts.

Determining pH Values

A pharmacist was often asked to determine pH values. While a pH meter employing glass electrodes was the best procedure, the apparatus was expensive and for many purposes sufficiently accurate results could be obtained using indicators. After the determination of the approximate value using universal indicator or indicator papers, a more precise determination could be made using the B.P. indicators and buffers. An indicator method had the disadvantage of being readily affected by oxidising or reducing substances, particularly sulphur dioxide so often present in injections. It was advisable to repeat the determination using an alternative indicator.

It was not unknown for a pharmacist to be asked to undertake the examination of water samples. The complete examination was a lengthy procedure, but frequently all that was required was a determination of hardness, which a pharmacist should be prepared to carry out. The standard solutions could be purchased.

In the discussion which followed, DR. F. HARTLEY said that the pharmacist often had not the reagents at hand for the identification of materials. Would Dr. Hersant comment on the advisability of following the concentrations recommended in the official books, or of using materials already at hand? DR. HERSONT said it was essential in most cases to keep to the advised strengths. It was unfortunate that there was so much variation in the strength of reagents recommended by different books. In testing the strength of a preparation it was essential to use a well-mixed sample. That was often the cause of differences between results obtained by different analyses.

MR. K. PENROSE asked whether, regarding the sampling of stock mixtures in retail practice to discover whether any volatile substance had been lost, the speaker could suggest any quick and simple method by which substances which might mask the reaction could be removed. DR. HERSONT said that there was no all-embracing solution which would remove interfering substances.

CONSUMPTION OF DANGEROUS DRUGS

Statistics for 1954 and 1955

AMENDED estimated consumption in kilos of Dangerous Drugs by the United Kingdom in 1955 has been published as follows:

Morphine	...	900
Diacetylmorphine	...	90
Oxycodone	...	2
Hydrocodone	...	5
Hydromorphone	...	2
Acetylhydrocodeinone	...	2
Dihydromorphone	...	2
Metopon	...	1
Morphine-N-oxide	...	1
Thebaine	...	10
Codeine	...	9,750
Ethylmorphine	...	230
Pholcodine	...	250
Dihydrocodeine	...	2
Cocaine	...	160
Pethidine	...	1,170
Alphaprodine	...	2
Betaprodine	...	0·01
Methadone	...	112
Isomethadone	...	2
Phenadoxone	...	45
Levorphan	...	7
Levomethorphan	...	0·01
4,4 - Diphenyl - 6 - piperidino-3-heptanone	...	5
3-Dimethylamino - 1,1 - di - (2-thienyl)-1-butene	...	1
3-Ethylmethylamino - 1,1 - di - (2-thienyl)-1-butene	...	1

Requirements of morphine for conversion purposes were stated to be 13,000 kilos, of diacetylmorphine 10 kilos and of thebaine 150 kilos.

The above information is contained in "Estimated World Requirements of Narcotic Drugs in 1955," Fourth Supplement, published recently by the Drug Supervisory Body of the United

Nations. The report is obtainable from H.M. Stationery Office, price one shilling.

Consumption and exports of Dangerous Drugs by the United Kingdom in 1954 was as shown in the following table:

	Estimate	Actual	Exports
	Kilos	Kilos	Kilos
Morphine	950	743	312
Diacetylmorphine	96	70	26
Oxycodone	2	—	1
Hydrocodone	5	3	22
Hydromorphone	2	1	—
Acetylhydrocodeinone	2	—	4
Thebaine	6	2	44
Benzylmorphine	—	—	—
Codeine	9,750	9,665	5,399
Ethylmorphine	165	150	116
Pholcodine	194	227	40
Dihydrocodeine	5	—	—
Cocaine, crude-brute	—	—	—
Cocaine	178	141	587
Pethidine	1,100	1,200	881
Methadone	112	94	69
Phenadoxone	50	36	6
Levorphanol	8	4	—

Conversion of morphine to other drugs amounted to 14,182 kilos against an advance estimate of 12,584. 14 kilos of diacetylmorphine was converted against an estimate of nil. 223 kilos of thebaine was converted (estimate 110 kilos). 6 kilos of codeine was converted (estimate nil).

The above information is taken from the Permanent Central Opium Board's report to the United Nations Economic and Social Council on the work of the Board in 1955. The report which was published recently is obtainable from H.M. Stationery Office, price 3s. 6d.

FIRST POLIO VACCINE DISTRIBUTED

"Split-second" timing in dispatches from Greenford

WITHIN forty-eight hours of the announcement that the vaccine had passed the Medical Research Council tests, 200,000 doses of Polivirin, the anti-polioiomyelitis vaccine of Glaxo Laboratories, Ltd., were dispatched from the company's Greenford works by air, rail and road. Every package reached its destination safely and on schedule. Packaging had begun immediately the official order for the vaccine was received from the Ministry of Health.

The first dispatch of vaccine was made by the 10.35 p.m. train to Edin-



Polivirin being dispatched by air to Renfrew, May 3.

burgh from King's Cross on May 2. Messrs. L. F. Kitch (home sales manager) and C. E. Dixon (transport manager) went to King's Cross to supervise its handling. On the following morning five cases of vaccine left London Airport for Renfrew. Among them was one package specially insulated to keep the vaccine at a temperature of between 1° and 4° C., for safe delivery to the Orkneys, Shetlands and Hebrides. On the evening of May 3 the main rail dispatches began from Euston, St. Pancras, King's Cross and Paddington to Scotland, Wales, northern England and the West Country. Early morning trains on Friday took supplies to midland, south-coast and eastern counties. Consignments of the vaccine also went to the company's factories at Ulverston (for Carlisle, Kendal and Barrow) and Montrose (for Aberdeen) for local delivery. For some destinations representatives called at headquarters to collect the vaccine and deliver it by car. Deliveries to the London boroughs were completed shortly after lunchtime on Friday, and later that afternoon the Press Association was notified that all supplies had been cleared from Greenford.

LEGAL REPORTS

Qualified but not Registered

At Greenwich magistrates' court recently, Alfred William Turner was summoned by two local pharmacists, Messrs. Harold Joseph Hayward and Harry Gerald Milner, with having falsely pretended that he was a registered pharmacist; with using a certificate issued under the Pharmacy Act, 1852, with intent to deceive; and with using the title of pharmacist when not registered. Each of the two prosecutors was stated to have employed Turner at different times this year, both thinking he was a registered pharmacist. Turner, who qualified as a chemist and druggist in 1934, but whose name had been removed from the register, denied the alleged offences, claiming that he had not represented himself as a registered man but only as a qualified man. Dismissing the charges, the magistrate said he did not think the case had been made out.

Illicit Opium and Utensil

At Liverpool, on April 24, Chin Cheng He, of 100 Bedford Street South, Liverpool, was committed on bail to Liverpool Assizes accused of possessing a quantity of prepared opium and a beam-scale used in the preparation of opium; also of corruptly offering £44 as an inducement to a detective-sergeant. A detective-constable said that he and the detective-sergeant saw Chin Cheng He carrying an attache case in Faulkner Street, Liverpool, on March 5, and asked him what it contained. He tried to run away but was stopped, and after a struggle placed in the rear of a police car. The case was found to contain fourteen pieces of opium. Later, at Chin Cheng He's home, there was found a beam scale which he said he used for weighing things, but not opium. A chemist at the Home Office forensic science laboratory, Preston, said that the opium weighed 4 lb. 13 oz. He had found fragments of opium on the scale. The value of the opium was given as "up to £1,000." Chin Cheng He pleaded not guilty.

COMPANY NEWS

Previous year's figures in parentheses

ROLLS RAZOR, LTD. — Subject to audit net trading loss of group for 1955 is £27,882 (profit, £26,576); group net loss, £24,182 (profit £10,125).

LOFTHOUSE & SALTMER, LTD. — Mr. W. E. Naylor, M.P.S., has been elected to the board. Mr. Naylor was an apprentice with the company and has been works manager for several years.

BOOTS PURE DRUG CO., LTD. — Subject to audit, group profit, before tax, for the year ended March 31 is £4,380,704 (£4,214,758); tax, £2,299,728 (£2,252,608); profit applicable to parent company, £2,029,454 (£1,912,142); and net profit, £1,736,015 (£1,635,844). Total dividend of 14 per cent. for the year compares with the equivalent of 13½ per cent. for the previous year. The directors have again decided to pay a

bonus of one week's salary to all staff in the home companies who satisfy certain conditions as to service.

COLGATE - PALMOLIVE COMPANY. — Messrs. Ralph A. Hart and Robert E. Hilbrant were elected directors of the organisation on April 25; all other directors were re-elected on the same date.

Mr. Hart started with the organisation in 1932. He has served as managing director of subsidiaries in India and Australia and as vice-president of Colgate-Palmolive International Inc. In 1955, Mr. Hart became a vice-president of the parent company and president of Colgate-Palmolive International. Mr. Hilbrant started with the company in 1924 and served in many capacities in the toilet articles department before becoming its manager. He became a vice-president in 1954.

IRISH PHARMACEUTICALS, LTD. — Mr. P. F. McGrath, M.P.S.I. (chairman), moving the adoption of the accounts at the annual meeting recently, referred to the exceptional difficulties with which the firm had contended during the year. Wage increments amounted to £1,500 approximately for a full year, and the cost of raw materials continued to advance. The policy of the directors was to maintain and augment manufacture and distribution of the firm's own products, and to acquire worth-while agencies as well as extending their range of sundry goods and manufacturing activities on behalf of external firms. Mr. S. McCauley (managing director), explained the difficulties with regard to packed goods prices, and said that were it not for manufacturing and distributing agencies now being operated, the firm could not maintain its present service with special designs and own name facilities. The report was unanimously adopted and Messrs. Edmond Hassett, M.P.S.I. and Michael Mahoney, M.P.S.I., retiring directors were re-elected.

GLAXO LABORATORIES, LTD. — During the half year to December 31, 1955, the group turnover (excluding sales by the South American subsidiaries which are not consolidated) increased by 2 per cent. in value as compared with the corresponding period in the previous financial year. After providing for depreciation and deducting minority interests, but before tax, the consolidated net profit is estimated to be £1,365,000 for the six months (£1,410,000). The preliminary trading results for the period and the comparative figures for the corresponding half-year are as follows:—Trading profit less trading losses, £1,313,000 (£1,390,000); net profit before taxation, £1,365,000 (£1,410,000); net profit after taxation, £715,000 (£720,000). The accounts of the Murphy Chemical Co.,

now a wholly owned subsidiary, are not included. An interim dividend on the ordinary stock of 6½ per cent. has already been declared.

GEIGY (HOLDINGS), LTD. — Mr. Geoffrey Parkes relinquishes, from July 1, the chairmanship which he has held since 1943, but retains his seat on the board. His successor will be Mr. C. F. Gysin; deputy chairman will be Mr. H. L. Addleshaw. The following board changes are announced in the subsidiary companies:—Geigy Co., Ltd.—Mr. Gysin has retired from the board, and Mr. E. G. Turner has succeeded him as director and chairman. Mr. H. Clayton, managing director, is now deputy chairman and managing director. Messrs. G. A. Campbell and H. Jones are joint assistant managing directors. Geigy Pharmaceutical Co., Ltd.—Mr. Gysin has retired from the board, and has been succeeded as chairman by Mr. Addleshaw; Dr. H. B. Knuchel has been appointed a director. Ashburton Chemical Works, Ltd.—Mr. Clayton will relinquish his seat on the board, to be succeeded by Mr. Jones. Mr. Clayton becomes a director and chairman of Geigy South Africa (Pty.), Ltd., and Mr. Gysin retires from the board of the Australian and South African companies.

BUSINESS CHANGES

ARBORETUM PHARMACY, LTD., 38 Reginald Street, Derby, has closed down.

BOOTS, LTD., have acquired the business of F. Farthing & Co., Ltd., 121 Notting Hill Gate, London, W.11.

MR. THOMAS A. WICKHAM, L.P.S.I., has opened a pharmacy in Dame Street, Dublin.

MR. DAVID WOULFE, M.P.S.I., has opened a camera shop directly opposite his pharmacy in Grafton Street, Dublin.

Appointments

RADIOL CHEMICALS, LTD., 78 Upper Richmond Road, London, S.W.15, have appointed Mr. W. T. Crowe their veterinary sales representative.

PURE CHEMICALS, LTD., Kirkby Industrial Estate, Liverpool, have appointed Mr. C. A. Barnes, D.F.C., M.P.S., their sales manager, plastics division. Mr. Barnes was formerly promotion executive of Menley & James, Ltd.

GENATOSAN, LTD., Loughborough, Leics, have appointed Mr. H. G. Morgan their medical representative for an area of North-east Yorkshire and Mr. G. I. James for the West Midlands territory. Mr. W. L. Slater, M.P.S., was recently transferred from his Liverpool area to take over the Manchester territory vacated by Mr. J. S. T. Andrews, who is now southern area field manager. Messrs. R. Ripley and D. W. Charlton have been appointed chemists' representatives, the former to take over the North-west Lancashire territory and the latter to succeed Mr. Slater on the Liverpool and South-west Lancashire territory.

MARRIAGES

O'FARRELL—JOHNSTON. — At the Church of the Sacred Heart, Donnybrook, Dublin, recently, John



[Photo: James G. Maguire]

William O'Farrell, M.P.S.I., 4 South Hill, Dartry, Dublin, to Agnes Mary Johnston, L.P.S.I., Westport, co. Mayo.

PIRÉ—HUNT. — At St. Clement's Parish Church, Dundee, recently, David R. I. Pirie, M.P.S. (a director and manager, J. S. Reoch, Ltd., chemists, Dundee), 203 Blackness Road, Dundee, to Shiela S. C. Hunt.

DEATHS

CRIPPS. — On May 11, Mr. Ernest Charles Cripps, M.P.S., Valeska,



Gringer Hill, Maidenhead, Berks, aged eighty-five. From May 1921 until he retired in June 1944 Mr. Cripps was the sales manager of Allen & Hanburys, Ltd. He was apprenticed to Thompson & Walton, chemists, Maidenhead, and after qualifying spent some time as improver in the historic pharmacy of Deane & Co., Clapham, London. In 1906 he opened a business in Berkhamsted, where he was joined in partnership in 1913 by Mr. H. H. Dickman, under whom the business is still operating (as Herbert H. Dickman & Son). In 1917 Mr. Cripps joined the staff of John Bell, Hills & Lucas, Ltd., London, taking charge of the records and wages of about 5,000 workers at that time turning out large quantities of gas helmets and respirators. He was chairman of the Chemists Friends (now Chemists Federation) scheme committee in 1935, and founder president of that association when it was launched in 1939. He also represented Allen & Hanburys, Ltd., on various committees of the Wholesale Drug Trade Association (now the Association of British Pharmaceutical Industry) of which he was a joint honorary secretary with the late Mr. H. Wippell Gadd in its early stages. In 1937, and again in 1941-43, he was a member of council of the Association, and in 1945 he was made an

honorary member. Mr. Cripps was a member of council of the Proprietary Articles Trade Association, 1928-33, and in 1936 was elected a Fellow of the Sales Managers' Association. As president of the National Rose-hip Products Association, he took the chair earlier this year at the fourteenth annual luncheon of the Association (*C. & D.*, January 28, p. 92). In local pharmaceutical affairs Mr. Cripps was a former chairman of the Reading Branch of the Pharmaceutical Society and a former secretary of the Slough, Windsor and Maidenhead Branch of the National Pharmaceutical Union. One of his interests was historical pharmacy, particularly that of the late eighteenth and early nineteenth centuries and he lectured on William Allen (first president of the Pharmaceutical Society) to many branches of the Pharmaceutical Society. Mr. Cripps had considerable facility with the pen. His book "Plough Court," the story of the famous City of London pharmacy of Messrs. Allen & Hanburys, appeared in 1927, and he was joint author with Mr. Desmond Chapman-Huston in 1954 of "Through a City Archway: the Story of Allen & Hanburys, 1715-1954." He was at one period Xrayser of THE CHEMIST AND DRUGGIST and at another contributed a similar column to the Pharmaceutical Society's journal. He is survived by his widow, a son and a daughter.

Mr. Arthur Mortimer writes: "E.C.C." was a delightful man, a loyal colleague, with a great sense of humour and a deep sense of spiritual values. I had known him some time before I came into close touch with him in 1930. When the old Drug Club was to be turned into the Wholesale Drug Trade Association (now the A.B.P.I.) E. C. Cripps and H. Wippell Gadd were the joint interim secretaries. The outline for the amalgamation of the various sections of wholesale and manufacturing activity was born in the mind of E.C.C., who also drafted the constitution and rules. I was appointed the first secretary of the new association and took over from the joint secretaries. That was my real introduction to the real man—not the pharmacist and business man only—but the true gentleman and great soul. He has gone with the affection and esteem of his host of friends. May his memory and life be an inspiration for us all.

Mr. Sidney J. Stearn writes: On December 12, 1935, a committee of eight manufacturers and retailers met to discuss the formation of the Chemist Friends' scheme. Then for the first time I met Mr. Cripps. One had only to meet him to recognise a man of outstanding qualities. His modesty, his kindly disposition, his unswerving loyalty to all that was good, made one proud to know him. We have lost a noble and upright gentleman.

HODKINSON. — On April 29, Mr. Richard Gregory Hodkinson, M.P.S., 48 Wallgate, Wigan, Lancs, aged seventy-five. Mr. Hodkinson had been in business in Wigan for over fifty years. Until recently he had eight shops in the town, but latterly had sold a number of them to his managers. As a Freemason he was associ-

ated with the Provincial and Borough Lodges and Peace Chapter.

INGLIS. — At Mount Pleasant, Clifton Road, Turriff, Aberdeens, on May 5, Mr. James Inglis, M.P.S., aged eighty-four.

TRIPP. — On May 9, Mr. Gilbert Henry Tripp, 63 Kings End, Ruislip, Middlesex, aged seventy. Mr. Tripp was for some years factory manager at Glaxo Laboratories, Ltd., Greenford, Middlesex, retiring from the staff of the company in 1951 after thirty-three years' service. In 1930 and again in the following year Mr.

Tripp went to Italy, first to advise upon and later to superintend the installation of plant at the company's premises in Northern Italy. He visited India in 1933-34 on a similar mission when the company's original Bombay factory was opened, and again in 1939 when the present factory was built. Mr. Tripp was closely concerned with plant installation at both the former Osnaburgh Street premises and at Greenford. He helped to re-plan the secondary production layout at Barnard Castle, co. Durham, and also to design several modern filling, sealing, cartoning and wrapping machines now in use. In 1941 he was seconded to the Ministry of Food, where he was largely responsible for organising thirty-five factories for packing dried egg. The funeral was attended by Sir Harry Jephcott (chairman, Glaxo Laboratories, Ltd.), Mr. H. W. Palmer (managing director), and other directors and former colleagues.



PERSONALITIES

MR. P. F. MCGRATH (president, Pharmaceutical Society of Ireland) is making a good recovery after his recent illness.

SIR HARRY JEPHCOTT, F.P.S. (chairman, Glaxo Laboratories, Ltd.), is to receive the honorary D.Sc. degree at Birmingham University on June 30.

MR. T. D. WHITTET, B.Sc., F.P.S., F.R.I.C., D.B.A. (chief pharmacist, University College Hospital, London) has been elected a foreign member of the Royal Spanish Academy of Pharmacy (founded in 1589 as the Brotherhood of Apothecaries in Madrid—see *C. & D.*, July 16, 1955, p. 70). Mr. Whittet is the first British member of the Academy.

DR. FRANK MOUDRY, whose arrival in Britain from the United States was noted last week (p. 373) was met by Mr. H. G. Moss (a vice-president of the Proprietary Articles Trade Association). On one of his days in London he had lunch with the chairman of the National Pharmaceutical Union (Mr. Allen Aldington), officers of the P.A.T.A., and registrar of the Pharmaceutical Society (Mr. F. W. Adams). Afterwards Mr. Adams took him round the Society's headquarters.

TRADE NOTES

An Additional Variety. — Trufood, Ltd., Wrenbury, Ches., are introducing a new variety, apricots with semolina, in their Spoonfoods range of strained, homogenised foods.

Perfume of the Month. — Saville Perfumery, Ltd., Rickmansworth Road, Watford, Herts, have produced the dis-



play material illustrated to enable stockists to make the best possible display of June perfume during the month of its name. The showcard is a replica of some of the colour advertising which is currently appearing for the product.

Pack Size. — Cortril topical ointment in 0.5 per cent. concentration is in a 5-gm. pack, and not as previously stated. Makers are Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent.

Odourless Depilatory. — A new fast, odourless depilatory cream, Trice, is being marketed by Dae Health Laboratories, Ltd., 17 Berners Street, London, W.1.

Medical Swabs. — Paperstick medical swabs are now available in a new packing of thirty-six from which each can be removed independently. The makers are Papersticks, Ltd., 41 North Road, Southend-on-Sea, Essex.

Now in Talc. — Morny, Ltd., 22 Wadsworth Road, Perivale, Greenford, Middlesex, announce that Morny sandalwood is now available as a talcum powder. A display unit is supplied with each package of 1 doz. tins.

Early Morning Tea. — The Pifco Tea-o-matic and Pifco tea-maker provide tea when the alarm clock sounds or after switching-on, respectively. The makers are Pifco, Ltd., Watling Street, Manchester, 4.

Talcum in an Additional Perfume. — Parfums Chanel, Ltd., 2 Old Bond Street, London, W.1, have introduced a talcum powder in their No. 22 perfume. Its polythene container is identical with that in which the other Chanel talcum powders are issued.

Refined Esparto Wax. — Chas. H. Windschuegl, Ltd., 1 Leadenhall Street, London, E.C.3, are marketing super refined esparto wax produced exclusively from the genuine esparto wax manufactured by Tullis, Russell & Co., Ltd., Markinch, Fife.

Advertisement Error. — The Armour Laboratories (Armour & Co., Ltd.), Hampden Park, Eastbourne, Sussex) point out that, in their announcement in this paper on May 5 the word Polyansyn was mis-spelt. Polyansyn is a

12½-per cent. pituitary whole gland solution.

Propaganda to Retailers. — The Vernon Porter Organisation, Warren Hill, Loughton, Essex, have opened a new division devoted to sending information about proprietary products to selected retailers.

Distributors in Scotland. — Samuel S. Goldberg & Co., Ltd., 6 Bishop Street, Glasgow, C.3, have been appointed sole distributors in Scotland of the products (including Highland Air) of the pharmaceutical division of Lorraine, Ltd., Dundee.

Antiseptic Lozenges. — Imperial Chemical (Pharmaceuticals), Ltd., Fulshaw Hall, Wilmslow, Manchester, have introduced Hibitane antiseptic lozenges each containing 5 mgm. of Hibitane chlorhexidine hydrochloride and 2 mgm. benzocaine, B.P. The pack is a tube of twelve lozenges.

Brand Names Adopted. — The Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 19, announce that the brand name Solopen has been introduced to describe crystalline penicillin G (sodium salt) of the company's manufacture. Crystalline penicillin G (potassium salt, buffered) is now described as Solopen buffered.

"Substantial" Overseas Contract. — Solport Bros., Ltd., 44 Spencer Street, London, E.C.1, have been awarded a substantial export contract for their Portia baby balances. The makers state that Portia baby balances are now used as standard equipment by midwives in many countries in the Far East, including Cambodia, Viet Nam and Thailand.

An Example of Good Design. — The No. 54 domestic spring balance of George Salter & Co., Ltd., West Bromwich, has been selected as an example of good design coupled with practical efficiency and is on exhibition at the Design Centre opened at 28 Haymarket, S.W.1, on April 26. The Centre is sponsored by the Council of Industrial Design.

Now Correctly Presented. — Owing to a dispute then affecting the printing industry, Color-Glo hair-colouring preparation, launched on March 8, had to be sent out in an emergency pack. New packs, each showing a full-colour "showgirl" head typifying one of the colours concerned, now replace the emergency one. "Retail" Color-Glo is available in molten gold, golden chestnut, auburn, deep auburn, honey brown and dove grey shades.

Insufflation Products. — A short list of Pabyrn insufflation products (including Cobalin insufflations of vitamin B₁₂, Di-Sipidin insufflations of posterior pituitary snuff, and Pabracort insufflations of hydrocortisone acetate) manufactured by Paines & Byrne, Ltd., Perivale, Greenford, Middlesex, is available on request. Pabracort contains in each capsule 15 mgm. of hydrocortisone acetate in a specially prepared snuff base. The capsules are issued in packs of ten and twenty-five and in an outfit containing a plastic insufflator and ten capsules.

Floating Fair Postponed. — Trade Ships (Exhibition & Sales), Ltd., 16 Berkeley Street, London, W.1, announce that, owing to insufficient support at this stage from British manufacturers, the Floating Trade Fair planned to visit the United States and Canada this spring (see *C. & D.*, January 14, p. 36) is postponed at least until 1957. In the meantime, the promoters are organising alternative facilities for a comprehensive direct export service to Canada and the Western States of the U.S.A. It is their intention to purchase suitable goods direct, particularly from manufacturers who have the capacity, but lack the organisation, to export themselves. In this connection, Mr. H. Gale (a director of the company) recently took up residence in Vancouver.

Vacuum Flask Descriptions. — The vacuum flask manufacturers of Great Britain (Acme Vacuum Flask Co., Ltd., 119 Finsbury Pavement, London, E.C.2; British Vacuum Flask Co., Ltd., Remax House, Alfred Place, London, W.C.1; Isovac, Ltd., Chiltern Works, Bernard Road, London, N.15; Thermos (1925), Ltd., Seymour Road, London, E.10; and Vacco, Ltd., Grosvenor Gardens House, Grosvenor Gardens, London, S.W.1) have adopted the following descriptions for vacuum flasks of various sizes: Minor (7-8 fl. oz.); standard (16 fl. oz.); major (22-26 fl. oz.); family (30-36 fl. oz.). For the instruction of shop staffs they point out that, if imperial measures are applied to flasks that do not correspond to the capacities ascribed to them, there is a risk of infringement of the Merchandise Marks legislation.



SALES-AND-DISPLAY CARD: Card carrying stocks of Will O'Wisp hair nets, the manufacturers of which are Simon, May & Co., Ltd., Nottingham.



SIX VARIETIES ON DISPLAY: The display-piece illustrated has been produced by Ulter (Bradford), Ltd., Wibsey, Bradford, for simultaneous showing of the six bouquets in which their Floret aerosol insecticides are available.

Change of Proprietorship.—The trade marks and formulas of J. W. Dennis's Lincolnshire pig powders, pig worm powders and Carrotine butter colouring have been acquired by Battle, Hayward & Bower, Ltd., Victoria Chemical Works, Lincoln. Formerly made at Northgate, Louth, the products are now to be manufactured and distributed from Messrs. Battle's factory: the works are being reorganised and deliveries of the products, to the original formulas and in the original packs are expected to start in mid-June.

Bonus Offers

DAE HEALTH LABORATORIES, LTD., 17 Berners Street, London, W.1. Trice odourless hair-removing cream. 10 per cent. extra on minimum first order of six tubes.

SKUSE & CO., LTD., 839 Harrow Road, London, N.W.10. Zinc and castor oil, B.P. Progressively reduced prices per doz. for quantities of one, three, six or twelve doz.

WALTER CROWE, LTD., 3 Little Russell Street, London, W.C.1. Simpson's foot ointment. Twelve charged as eleven on first direct order placed before June 1. Additional 3½ to 7½ per cent. if part of all-in delivery of other products of the company.

Holiday Closings

The following departures from normal Whitsun holiday closings have been notified:—

BIOREX LABORATORIES, LTD., 47 Exmouth Street, Rosebery Avenue, London, E.C.1. Open for urgent medical supplies to hospitals only, May 19, 9 a.m. to 8 p.m. and May 20 and 21, 10.30 a.m. to 1 p.m.

RICHARD DANIEL & SON, LTD. Ashton-under-Lyne works and offices closed from Thursday evening, May 24 until Tuesday morning, May 29 (normal Whitsun holiday closing at Derby).

GENATOSAN, LTD., Loughborough, Leics. Works closed May 21 and 22 (normal holiday for sales office).

GLAXO LABORATORIES, LTD., Greenford, Middlesex. Skeleton staff available to deal with emergency orders on Saturday morning.

MAY & BAKER, LTD., and PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex. Closed from 12 noon May 18. Urgent orders from John Bell & Croyden, 50 Wigmore Street, London, W.1.

JOHN WYETH & BROTHER, LTD., Clifton House, Euston Road, London, N.W.1. Order department closed from 10 a.m. May 18. Urgent orders from John Bell & Croyden.

Exhibitions

THE sixth Electrical Engineers Exhibition is being held at Earls Court, London, April 9-13, 1957.

THE third *Salon International des Arts Ménagers de Charleroi* takes place on October 27. Particulars of display space available for photographic equipment, perfumery, cosmetics, etc., may be obtained from Vincent Caers,

67 Rugby Avenue, Wembley, Middlesex.

AN exhibition, "Glass and the Student Designer," is being held at the Glass Manufacturers' Federation, 19 Portland Place, London, W.1, July 13-27. Three colleges of art (Royal, Edinburgh and Stourbridge) have joined to stage the display.

THE Photo and Cinema *Biennale*, 1957, is being held at Washington, U.S.A., March 22-31. During the daytime admission is reserved to professional visitors. It will be open to the public in the evenings. The following American organisations are replacing their annual meetings by the *Exposition*: National Association of Photographic Manufacturers; Master Photo Dealers' and Finishers' Association; Photographers Association of America; National Association of Press Photographers; American Society of Magazine Photographers; and Photographic Society of America. All letters concerning the second *biennale* should be addressed to *Centre Permanent de la Biennale*, International Photographic Exposition Washington, 116 bis Champs Elysées, Paris (8ème), France.



Left: Free self-service floor display stand available to stockists of Jeyses' toilet rolls and flats from the manufacturers, Jeyses-Ibco Sales, Ltd., Manor Road, Chigwell, Essex. Right: Products in the Secto range, the manufacturers of which are Cupal, Ltd., Blackburn, Lancs.

SLOGAN COMPETITION PRIZE-WINNERS

Chemists who supplied them meet them at dinner in London

WINNERS in a competition organised by Smith & Nephew, Ltd., Welwyn Garden City, Herts, to popularise Blue Velvet hand cream, and the chemists who supplied them, were entertained to dinner in London on May 11. First prize (£50) was won by Mrs. P. M. Dewhirst, Exeter (supplier: Mr. R. A. Orchard, M.P.S., Luxton, Ltd., Exeter); second (£25) by Mrs. K. I. Weir, Virginia Water, Surrey (supplier: Mr. G. F. Rogers, M.P.S., Cambridge); and third (£10) by Mrs. D. J. Vincent, Newcastle Emlyn, Carmarthenshire (supplier: Mr. W. G. Owen, M.P.S., Newcastle Emlyn). There were 300 consolation prizes.

Entrants had been required to devise an appropriate rhyming slogan for Blue Velvet, and the winning entry was "My face may never grace the screen, but soft, smooth hands steal any scene."

Present at the celebration dinner were the chairman and six other directors of the companies in the group, as well as the three prize-winners and the first and second prize-winning chemists.



Messrs. G. F. Rogers, M.P.S., and R. A. Orchard, M.P.S., with the Blue Velvet competition prize-winners, Mrs. P. M. Dewhirst, Exeter, and Mrs. K. I. Weir, Virginia Water.

PHOTOGRAPHIC NOTES

Versatile New Camera.—Aglilux, Ltd., Purley Way, Croydon, Surrey, are marketing a new Agifold camera with nine shutter speeds, combined viewfinder/rangefinder, f/4·5 coated lens, exposure meter, device for preventing double exposure, and flash synchronisation.

Colour Enlargements.—It is now possible to obtain enlarged colour prints ($\frac{1}{2}$ -plate size) from Kodachrome colour films. The production of the prints is carried out solely at the headquarters of the manufacturers, Kodak, Ltd., Wealdstone, Harrow, Middlesex. Cost per print is about 12s. 6d.

New G.B.-Kershaw Model.—A new model with an f/4·5 lens and five-speed flash-synchronised shutter is now available in the G.B.-Kershaw range of inexpensive roll-film cameras. The lens is a fully corrected, hard-coated anas-



tigmat, and the Velio shutter has speeds of 1/10, 1/25, 1/50, 1/100 and 1/200 second and B. The camera's all-metal body, leathcrette covered, is self-erecting and fitted with cradle-type spool-holders for easy film loading. Another feature is a balanced-pressure baseboard release with "trigger-squeeze" action. Picture size is $2\frac{1}{4} \times 2\frac{1}{4}$ in. (twelve exposures on 120-size film). Distributors are the cine and optical division, Rank Precision Industries, Ltd., 37 Mortimer Street, London, W.1.

Snap and Flash Camera.—As a means of attracting new customers to the photographic department the Ilford Envoy camera has possibilities. It has a two-position lens, eye-level view-finder and flash contacts. For window-display purposes there is available a novel display unit. The makers are Ilford, Ltd., Ilford, London.

Rangefinder with Shoe Fitting.—The Gnome-meter rangefinder manufactured by Gnome Photographic Products, Ltd., 354 Caerphilly Road, Cardiff, has a shoe fitting to suit most cameras. It gives a bright super-imposed image with adjustable colour screen. The finder is fully adjustable from the outside. It is scaled from 2 ft. to infinity.

"Big-screen" Slide Viewer.—Reproduction of 35-mm. slides at a picture size of 8×8 in. is provided by the Vistavu slide viewer introduced by the cine and optical division of Rank Precision Industries, Ltd., 37 Mortimer Street, London, W.1. The unit is specially suitable for use by small groups of viewers, though it may also be employed in many other fields (for example, a commercial traveller can use it to display his range of goods in full-colour). The

unit is operated direct from a.c. or d.c. mains; slides are easily and quickly changed. Screen image is formed by an f/2·8 lens and matching optical system, with 100-watt lamp.

A New Roll Film.—Kodak, Ltd., Wealdstone, Harrow, are replacing their Plus-X roll film with a new Verichrome Pan film, the characteristics of which are fine-grain emulsion, great exposure latitude, freedom from halation, and balanced sensitivity to colours. Exposure index numbers are: Daylight, 30° B.S., 80 A.S.A.; tungsten, 29° B.S.; 64 A.S.A. The new film, which is already available, is a considerable improvement on its predecessor, and claimed by the manufacturers to be right in the forefront of its class. Kodak Tri-X roll film is now available in size 127.

Table Projector for Colour Slides.—Kodak, Ltd., Kingsway, London, W.C.2, are marketing a self-contained projector unit for viewing 2×2 in. (5 x 5 cm.) Kodachrome colour slides. The slides are projected at a 4-times magnification on to a $6\frac{1}{2}$ -in. square translucent screen which forms the front of the unit. The projector may be used in ordinary room lighting or even in daylight. Slide-holder and viewing screen are housed in a streamlined plastic case. The optical system consists of a low-voltage lamp, reflector, double condenser, 2-in. projec-



tion lens and two mirrors, all mounted on to a steel chassis, with removable moulded ventilated cover. The light source is a 6-volt, 24-watt motor-car bulb run at 7 volts, 28 watts approximately (it has the average life of a standard projection lamp. Dimensions of the unit are height, $11\frac{1}{4}$ in.; width, $8\frac{1}{8}$ in.; depth, $11\frac{1}{4}$ in. Weight: approximately 8 lb. 10 oz.

NEW PRODUCTS AND PACKS

Special Veterinary Pack.—Imperial Chemical (Pharmaceuticals), Ltd., Fulshaw Hall, Wilmslow, Manchester, now issue a 50-c.c. special veterinary pack of Avloprocil A.S. (procaine penicillin G aqueous suspension), 300,000 units in 1 c.c. The pack is additional to the 10-c.c. and 5-c.c. bottles in the medical range.



DISPLAY BOX FOR FINGERSTALLS: Outer for display and sales of Easifix and other finger and thumbstalls available from Solport Bros., Ltd. (see C. & D., May 12, p. 376).

Freshener Blocks.—New square-packaged freshener blocks of paradi-chlorobenzene are being marketed under the name Nobby by A. S. Clarke & Co., 31 John Adam Street, London, W.C.2. They are available in red and white self-hanging packs in four fragrances, each readily identified by its inner wrapping paper. Point-of-sale display carton contains 1 doz. blocks (three layers of each fragrance).



"Extra Lanolin" Cleanser: Pack of Elan, the newly launched speciality of the House of Westbrook, Bradford (see C. & D., May 12, p. 375).

MACHINES TO REPLACE MANHANDLING

Mechanical Handling Exhibition described as largest of its kind

DESCRIBED by Sir MILES THOMAS (a director, Monsanto Chemicals, Ltd.) at the opening ceremony as the largest and most important of its kind, the fifth Mechanical Handling Exhibition held at Earls Court, London, May 9-19, was supported by over 200 exhibitors, between them occupying 400,000 sq. ft. of stand space. Sir Miles Thomas said he thought that it was important to emphasise that mechanical handling helped to provide cheaper products with higher wages for all.

Transporting and Stacking

The latest addition to the Sherpa range of trucks manufactured by SALISBURY PRECISION ENGINEERING, LTD., Buckingham Palace Mansions, London, S.W.1, the Grippa, picks up loads of awkward shape and size by squeeze-clamp action. A safety valve prevents crushing of loads. The Rak-a-tier truck (WICKSTEEDS, Meridian Works, Royston, Herts), is essentially a simple wheeled tray-carrying frame which can be articulated so that the frame itself can be inclined at any angle while the trays remain horizontal in a staggered position. Relatively heavy loads can be manipulated without difficulty. ANGEL TRUCK CO., LTD., Meteor Works, 215 Albion Road, Stoke Newington, London, N.16, exhibited the Towveyor truck which is being supplied to May & Baker, Ltd. The Eccles 550 system of midget pallet trucks and box stillages was shown by ECCLES (BIRMINGHAM), LTD., Hazelwell Lane, Stirchley, Birmingham, who offer a customer-rerequirement service—building trucks to specifications supplied. A novel method of transporting poliomyelitis patients, as used in California University, was shown by BRITISH MONORAIL, LTD., Wren Works, James Street, Chadderton, Lancs. The method incorporates a Monorail overhead rail system. A Jacacaddy hand-truck suitable for moving carboys was shown by W. LANGLEY & CO., LTD., 14 Magdalen Street, London Bridge, London, S.E.1.

Dispatching and Conveying

Aids to loading were well in evidence but notable packaging aids were few. Of the latter the Gerramatic flat band strapping machine (GERRARD INDUSTRIES, LTD., Harlequin Avenue, Great West Road, Brentford, Middlesex) was prominent. Using a $\frac{5}{16}$ -in. steel band the machine secures packages of up to 8-ft. girth without crushing—despite irregularities of shape of packets. The Escaload van loader (illustrated) manufactured by REYNOLDS & GRAYER, LTD., Thomas Street, West Bromwich, Staffs, designed for speedy loading and unloading of vans, is suitable for operation in confined spaces. It will elevate 40-lb. packages from floor level to 5 ft. 6 in. in twelve seconds working at any angle up to 30°. Should an operator fail to remove a package from the top it will be held there automatically. INDUSTRIAL MACHINE AND EQUIPMENT CO. (BRIMPEX), LTD., demonstrated the use of the Brimex self-actuating lifter for loading sacks. BARRON & SHEPHERD, LTD.,

16 Black Friars Lane, London, E.C.4, showed the Autolevel table which, as articles are removed, automatically adjusts its height to keep the top layer of remaining articles at easy handling level. Portable, the table provides convenient batching for inspection. A similar unit, the Lowerator dispenser, was shown by CONVEYOR CATERERIAS, LTD., 70 Marylebone Lane, London, W.1. Designed for handling powders, the Westhurst elevator (RUSSELL CONSTRUCTIONS, LTD., Russell House, Adam Street, Strand, London, W.C.2) can raise powdered or granular materials to a height of about 5 ft. in quantities up to four and a half tons an hour. Screw-lift elevators were shown by ROWNSON, DREW & CLYDESDALE, LTD., 225 Upper Thames Street, London, E.C.4, and W. S. BARRON & SON, LTD., Bristol Road, Gloucester. SIMON HANDLING ENGINEERS, LTD., Cheadle Heath, Stockport, Ches, exhibited a pneumatic elevator for powdered material, incorporating a new type air filter. A. J. MACKANESS, LTD., Billing, Northampton, showed a range of hydraulically operated loading machines and vehicle-loading equipment. A mobile elevating conveyor for parcels and boxes was shown by A. & C. JENNER, LTD., Clarendon Works, Mitcham, Surrey. POWELL & CO., Burry Port, Carmarthen, showed a new mobile version of the Safe-way carboy filter.

Storage and Pallets

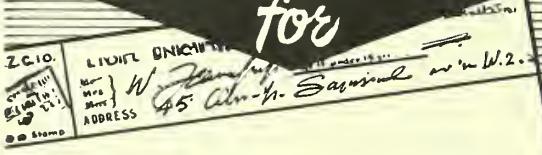
Kee board shelf units with tubular storage racks were shown by GEO. H. GASCOIGNE CO., LTD., Berkeley Avenue, Reading, Berks. Stakafold pallets which can be folded flat were exhibited by VICTROLEC, LTD., Victoria Road, Aston, Birmingham, 6. Collapsible pallets,

cargo trays and racking, in tubular steel were featured by TUBEWRIGHTS, LTD., 25 Buckingham Gate, London, S.W.1. RUBERY, OWEN & CO., LTD., Whitemgate Factory, Wrexham, showed Stowlite pallets, fifty of which, the company claims, occupy the same space as four conventional pallets. Rolstore mobile storage constructions for maximum space-utilisation were demonstrated by ACROW (ENGINEERS), LTD., South Wharf Paddington, London, W.2. A tubular steel truck for carrying cylinders, and pallets and stillages were shown by JAMES HUSTLER & SON, LTD., White Lund, Morecambe, Lancs. Converters for turning flat storage pallets into post pallets for stacking awkward loads such as cylinders was exhibited by W. C. YOUNGMAN, LTD., Manor Royal, Crawley, Sussex. Collapsible stacking stillages which tier one on the other were shown by P. C. & C. K. CHASE, LTD., Portsmouth Road, Cobham, Surrey. ARMSTRONG PATENTS CO., LTD., Beverley, Yorks, showed the Armstrong universal stillage for storage and a point-to-point delivery.



Above, the Rak-a-tier truck by Wicksteeds. Below, the Escaload van loader by Reynolds & Grayer, Ltd.

Counter Packs at dispensing prices for



R ZINC + CASTOR OIL B.P.
1953

Mitte 3½ WF JAR FITTED SEPIA
DOUBLE SHELL SCREW CAP
Mod. op. MANUFACTURED FROM HIGH
GRADE MATERIAL HOMOGENISED
TO MICROSCOPIC FINENESS
YOUR OWN NAME + ADDRESS
AT PRICES QUOTED

Sig

ZINC AND CASTOR OIL B.P. 53

	1 Doz.	3 Doz.	6 Doz.	12 Doz.
1 oz.	6/-	5/9	5/6	5/3
2 oz.	9/-	8/9	8/6	8/3
4 oz.	14/3	13/9	13/3	12/9

TERMS Less 2½% 14 days.

FREE delivery van area.

Outside carriage extra at cost.

SAMPLE SENT ON REQUEST

Operation of Quantity Discount Prices. The prices shown under the various quantity headings can be taken for that product in any combination of sizes.

SKUSE & CO. LTD.

Manufacturing Chemists

839/841 Harrow Road, London, N.W.10
Phone: LADBROKE 2201-2-3 Grams: SKUDENT, HARLES

RELAXA-TABS

more

RELAXA-TABS

and yet more

RELAXA-TABS

are being bought by the public who need a completely safe, non-habit forming sedative.

FORMULA :

Carbromal B.P.C.	3 grs.
Bromvaletone B.P.C.	2 grs.
Calcium Phosphate B.P.	3 grs.

Retailing at 2s. 8½d. and 5s. 5d. incl.

Wood's RELAXA-TABS are backed by a high - pressure National Advertising Campaign in the Press and from Radio Luxembourg, which is being stepped up every week as sales rocket. Supplies from International Laboratories Ltd., Dept. PA65, 205 Hook Road, Cheshington, Surrey, or from your usual wholesalers.

RELAXA-TABS

the name is good

RELAXA-TABS

the product is good

RELAXA-TABS

the profit is good

so

Order NOW



The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at
28 Essex Street, Strand, London, W.C.2

TELEPHONE CENTRAL 6565

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

A Shift of Attack

ALTHOUGH the amendments to the Restrictive Trade Practices Bill that would have given the Proprietary Articles Trade Association a clearer charter for the future were not discussed at the Committee stage (see *C. & D.*, May 12, p. 367), there is no reason yet to write the matter off as a lost cause. Instead, attention may have to be transferred now from Clauses 19 and 20 of the Bill to Clauses 15 and 16, and it may well become the business of the P.A.T.A., through counsel, to argue its case before the Restrictive Practices Court.

The case that will be argued on the Association's behalf will no doubt be that it should be allowed to act on behalf of its members in enforcing resale prices under Clause 20, and that the denial of that right would deprive the public of substantial benefits (the "public interest" factor). Some of the benefits were referred to by Sir Hugh Linstead in Parliament on May 8 (*C. & D.*, May 12, p. 372), and it would not be difficult to extend the list. It will not have passed without note among chemists that the book trade has been giving voice to similar fears to those of pharmacy. Indeed, the spokesmen for the booksellers may prove strong allies in awakening the public to, and persuading the Restrictive Practices Court of, the dangers of undermining methods that have proved effective in making resale prices uniform whatever the selling outlet, and by so doing preventing the concentration of too much economic power in the hands of fewer and larger distributors.

It is a pity that, the more often the statements attributed to the President of the Board of Trade are read, the more they raise doubts whether he is himself clear about the purposes of the Bill as it applies to resale price maintenance. For example, he has said that the complex devices that have been in operation for collective enforcement have produced rigid profit margins and lessened price competition in ways inimical to the economic system. But if, as he claims, the sanctions provided under Clause 20 are to be effective, will they alter present profit margins? The facts are (1) that—at any rate in the field covered by the P.A.T.A. system of price maintenance—competition is strong and profit margins are widely varied (and many, it may be pointed out, are currently regarded as inadequate); and (2) that the abolition of price maintenance would open the way to the real monopolists—as past experience has only too clearly showed.

We must admit to our own doubt whether Clause 20 by itself will be effective. It will need some action by

trade associations, and that can now (subject to there being no further change at the report stage) be taken only under Clause 16, by bringing the matter before the Restrictive Practices Court.

Mr. Thorneycroft told a questioner on May 8 that, if the Court allowed an association to enforce resale price maintenance, the method of enforcement would be that prescribed by Clause 20. On that basis the P.A.T.A. must frame its new course of action.

Onward from Galen

A CURRENT CAUSERIE

How to produce a uniform glycerin suppository is a question that has doubtless exercised generations of pharmacy students if not those of today. The experience of the American Pharmaceutical Co. is given in a recent issue of the *Journal of the American Pharmaceutical Association*, "We have found," they write, "that warm moulds do produce a firmer suppository than cold moulds, but even more important is the presence of a slight excess of free acid, about 0·37 per cent. calculated as stearic. Free acid in excess of 0·5 per cent. produces a very firm but opaque suppository, while free acid below 0·25 per cent. produces a clear but more pliable suppository."

★

THE extent of the silent revolution brought about by plastics is shown by a recent *Financial Times* plastics survey. In 1955 the United Kingdom produced 330,000 tons of plastics, the new thermoplastics accounting for 170,000 tons. Scarcely an industry exists in which they do not play a major part. In packaging, photographic apparatus, and in surgery particularly, are applications that concern pharmacists. A recent French development is the introduction of square, flat-topped, concave-based, polythene carboys that can be used for storing strong acids and other liquids. A composite cellulose-acetate film laminated to aluminium foil, rubber hydrochloride or polythene is ideally tough and flexible for the packaging of food concentrates, pharmaceuticals and shampoos. Applications of plastics to dental surgery, chest surgery, orthopaedics and plastic surgery are numerous. A new plastic first-aid dressing of high porosity is described by the survey as having a number of advantages over existing types of dressings.

★

MOST pharmacists, most doctors, and for that matter most customers, have probably their own pet theory about the cause and treatment of the common cold. The few established facts on which American medical men are agreed were listed in an article, "What We Know About Colds," which appeared in a recent issue of *Today's Health*, a magazine for popular reading published under the auspices of the American Medical Association. The "average" person—presumably in the United States—has three colds a year, of which the acute stage lasts two or three days. Absenteeism due to colds costs as much as \$6 billion annually in the United States. Ten or more viruses that cause colds have been identified by a team working at Bethesda, Maryland. In November 1955 the team announced that it had developed vaccines which are about 70 per cent. effective against several viruses causing feverish respiratory infections. Some types of cold seem to be allergic in character. For those, but only for those, antihistamines may be effective. In general, American medical opinion is as solid as British on the uselessness of so-called "cold cures." "In spite of the thousands of cold remedies with which the drug stores [pharmacies] are filled, there is nothing that medical science agrees will reduce the length or severity of a true cold." To go to bed and stay there protects others and guards against the development of secondary infections, and that seems the best advice that science can as yet offer to sufferers from the common cold.

Correspondence

Coloured Tablets

SIR.—In his address given at an evening meeting of the Pharmaceutical Society in Edinburgh on February 15, Mr. H. G. Rolfe commented on the present anomalous situation in regard to the colouring of tablets. We wish to record that our companies are in full agreement with the views he expressed on this subject, and we hope that the bodies responsible will take steps to withdraw the ban on colouring of B.P. and B.P.C. tablets in the next editions of these publications.

J. A. CHISWELL, *Managing director, Bayer Products, Ltd.*
 DENIS E. WHEELER, *Managing director, Burroughs Wellcome & Co.*
 PHILIP MAIR, *Managing director, Ciba Laboratories, Ltd.*
 ERNEST GROSS, *Managing director, Distillers Co. (Biochemicals), Ltd.*
 C. W. ROBINSON, *Director, Evans Medical Supplies, Ltd.*
 O. F. MORGAN, *Director, Glaxo Laboratories, Ltd.*
 T. W. M. BLAND, *Secretary, Imperial Chemical (Pharmaceuticals), Ltd.*
 J. A. FREEMAN, *Deputy general manager, Parke, Davis & Co., Ltd.*
 W. A. STEWART, *General manager, Pharmaceutical Specialities (May & Baker), Ltd.*
 H. LEE, *Roche Products, Ltd.*

Restrictive Trade Practices Bill

SIR.—Having been associated with the efforts made to secure acceptance of certain amendments to Clauses 19 and 20 of the Restrictive Trade Practices Bill, I should like to review the position prior to and during the Committee Stage. With regard to Clause 19 (which prohibits agreements for collective enforcement of resale prices), it has been realised by the trade associations from the time the Bill was published that attempts to secure a reversal of the ban on collective enforcement had no hope of success, and, so far as I am aware, no amendments were tabled with the object of securing such a reversal. The Government's alternative to the banned collective-enforcement system is embodied in Clause 20, which empowers the individual manufacturer or supplier who attaches price conditions to his goods to protect those prices by proceedings for an injunction against price-cutters who, having had notice of the conditions, break them. The purpose of the amendment to that clause, for which the organisations concerned sought and secured parliamentary support, was to give statutory authorisation to a trade association to render assistance to its members in enforcing their rights under the clause, thus economising in time, labour and costs. The proposed amendment to Clause 19 provided for the authorisation by the Restrictive Practices Court of an alternative price-protection scheme submitted by a trade association whose members had found after trial that the protection provided

by Clause 20 was inefficient and inadequate. As is generally known, neither amendment was "selected" in the Committee stage on May 8, and the reasons for their having been tabled could not, therefore, be discussed. The only opportunity which M.P.s interested in resale price maintenance had of speaking on the subject was on the motion "that the clause stand part of the Bill." It was on that motion, in respect of Clause 19, that Sir Hugh Linstead and other supporters of the amendments said what they could say within the limits of Parliamentary procedure. All members have been informed of the efforts made by the Proprietary Articles Trade Association, the National Pharmaceutical Union and other bodies to protect their interests in this matter. To what has been published I would add that, on April 9, as chairman of the Fair Prices Defence Committee, I wrote to the President of the Board of Trade expressing the associations' disappointment and concern regarding the proposed prohibition of the collective enforcement of resale price maintenance, which, I said, we regarded as the only effective method (so far as our particular trades were concerned) of implementing the principle of price maintenance—a principle which he had accepted. I expressed the hope that, when the Committee stage was reached, the President would feel able to give his approval and endorsement to the relevant amendments which had been tabled, and asked that we should be given an opportunity to discuss those amendments with the President or the Parliamentary Secretary. In the course of his reply Mr. Thorneycroft said: "The various amendments which have been tabled to Part II of the Bill will give full scope for ventilation in Parliament of the arguments for and against the Government's policy as regards resale price maintenance. In view of this, I do not think that any useful purpose would be served by my receiving a deputation from your Committee." That reply should be noted in the context of the debate in the Committee stage on May 8, when, as has been mentioned, the amendments referred to were not "selected."

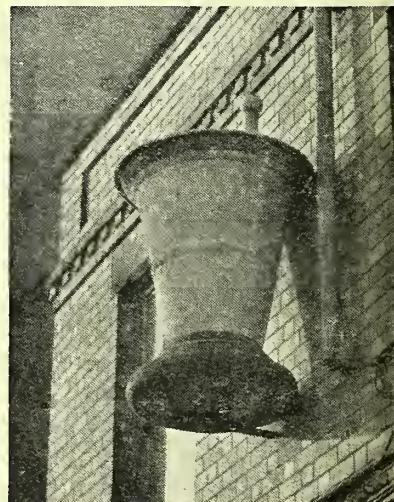
A few days before the Committee stage on Part II of the Bill was reached, the chairman of the National Pharmaceutical Union (Mr. Allen Aldington), on behalf of his Executive, wrote to the Conservative Members of Parliament. In his letter Mr. Aldington explained the special position of pharmacists in retail business in relation to the National Health Service, the fact that the existing system of price maintenance safeguarded the retail-sales side of their business, and their fear that removal of the present effective measures against price-cutting would have profound economic effects, both on the N.H.S. contract and on the general well-being of pharmacists. Emphasising that the Government's "drastic and undiscriminating policy" in abolishing the present collective

system was viewed with the greatest concern by N.P.U. members, the letter referred to and explained the reasons why support of the amendments to Clauses 19 and 20 was sought. Mr. Aldington said that the approach to Conservative M.P.s was made "in the hope that, as members of the Party which is understood to take a special interest in the well-being of independent retailers, they may be made aware of the views and anxieties of their pharmacist constituents—anxieties which are also shared by many other sections of the retail distributing trade."

That letter, so I am informed, received what may be regarded as a favourable response. As a corollary to Mr. Aldington's reference to "members of the Party which is understood to take a special interest in the well-being of independent retailers" may be mentioned Sir Hugh Linstead's observation in the debate that the President of the Board of Trade seemed to be "more and more hardening his mind against making it at all possible for any reasonable form of retail price maintenance to be operated in this country." Pharmacists and many other retailers owe a debt of gratitude to Sir Hugh Linstead and certain of his parliamentary colleagues for all their endeavours to help us in this important and politically difficult matter. I understand that the Report stage of the Bill is likely to be taken towards the middle of June. Between now and then, those of us who are concerned to ensure that effective price maintenance is not to be impracticable of attainment will be considering, in the light of the advice and information available to us, the best course to adopt.

H. E. CHAPMAN, *Secretary, Proprietary Articles Trade Association London, W.C.1*

A PHARMACIST'S SIGN



2. The pestle and mortar on the wall of the premises of E. R. Dixon, Ltd., 194 High Street, Lincoln.

PHOTOGRAPHIC DEPARTMENT

BETTER SERVICE from the FINISHER

BY LESLIE G. SANDYS, A.R.P.S., F.R.S.A.

IT is largely up to the dealer what sort of service he gets from his photo-finisher. He has no control, of course, over the finisher's shortage of staff, or over the quantities of work he has to handle; but can see to it that the finisher's work is not made more than necessarily complicated. Yes, the dealer is paid to do the work, admittedly. And he will do it. But if it is complicated or vague he must take longer, and his staff may make mistakes.

"Peak Period"

Those vital six or eight weeks with August in the middle constitute the period which causes the most trouble—the "peak period" as it became known in 1955. The manufacturers, the dealers' association (P.D.A.) and finishers' association (W.P.F.A.) got together and devised a scheme to help everyone concerned come through the period with the least trouble to all.

Did your finisher, Mr. Chemist, send you a "Dealers' Service Advice Card" at various times throughout the busy season? Those cards were available to him through his Association, and the idea was that he should fill in on each card he sent to you the service times required for the different types of work—straight D. and P., reprints, and enlarging orders, each card dated for a definite period. If you did not get those cards last year perhaps your finisher did not know of their existence; why not ask him if he intends to use them this year? After all, customers do not really mind so much what one's service times are so long as they get their orders when promised them. The same thing applies to the dealer himself. If the finisher works out his times according to his capacity, rather than according to the service he thinks is being demanded from him, he is more likely to be successful in maintaining it, and that is to everybody's benefit.

If the finisher does issue those cards, the dealer's part of the bargain is to use them. There are, of course, lots of jobs to attend to apart from D. and P. orders, but the card can be kept on or near the counter and consulted when spools or negatives are taken in. And when the finisher sends a new card, the old one should be thrown away at once. The cards are (or should be) of different colour each time, so that there shall be no mistake.

When the finisher delivers the bag of finished work, does it get left hanging on its hook until customers call, or is it emptied at once and the contents checked? The first course is bad practice because it can—and often does—result in orders being sent back to the works. Then the customer calls for his prints and the works get blamed because the prints "have not been delivered." Checking of work when received also enables errors to be corrected quickly—often before the customer calls for his order. Careful checking also encourages the finisher to make his own careful check before the orders go out.

Filling-in Orders

The Wholesale Photofinishers' Association has gone to a lot of trouble to produce the most suitable order-pad for its purpose. But it is only used to best advantage—and that means the chemist's advantage—if the forms are filled in correctly and the sheet folded in the way suggested. Those details may seem small, but to the finisher's assistants, handling thousands of separate orders every day, they are important.

An order written by one chemist: "1/828 dev. and one Enprint each," but by another chemist: "One Bantam spool, enl. one ea.," and by a third: "Cub film dev. and 6d.

prints," will no doubt all be understood by the finisher, but he will take a little longer to do so. And a little time multiplied by thousands helps to make deliveries late!

So, if you can find the time, take an order pad home and spend a few minutes with it; make out a list of the proper way of doing all the things the finisher asks, and request your assistants to follow the same methods. Close attention to the broad principles outlined here will secure a better service this summer.

BRITISH FINE CHEMICALS AND THEIR USES

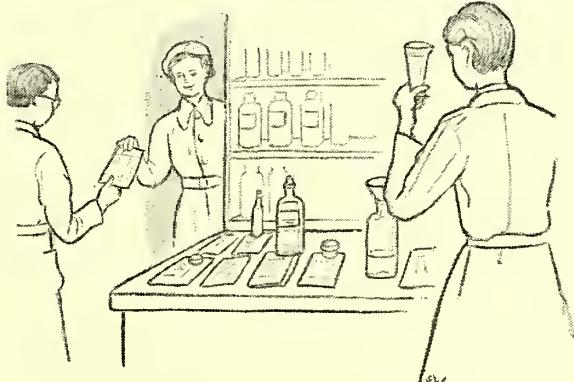
56. OXALIC ACID

OXALIC acid is supplied as pure crystal and powder, anhydrous, and commercial crystal and powder. It is obtained by various methods. One is by treating sawdust with potash and soda, precipitating the calcium salt with calcium chloride or lime water, and treating with sulphuric acid to give oxalic acid, the product being purified by recrystallisation. Another method is by pressure treatment of sodium formate in autoclaves. Carbohydrates such as starch, glucose, dextrin and cellulose, etc. are also used as starting materials. Industrially oxalic acid has a wide range of uses. A great many odd purposes in the smaller trade make it difficult to ascertain where most of the material is consumed.

Because of the ease with which it cleanses metal surfaces, oxalic acid is included in many metal polishes, in compositions for cleaning brewery plant, in the process engraving and litho trades, and as an etching agent. The ease with which it removes iron stains has resulted in its being utilised by launderers and dry cleaners, in various ink-removing preparations and in the straw-hat trade. It is used in paper making, in the leather trades and as a reducer in photography.

In dyeing and calico printing it makes tender the fibre in steaming, and is used in wool dyeing as a reducing agent after bichromate treatments. It is added to cutting baths in indigo discharge printing, and for preparing oxalates of lime and of tin as further mordants. A double oxalate of antimony and potassium is utilised for fixing purposes. Other uses of oxalic acid are in the preparation of dyes, in the making of inks, for purifying glycerine and stearine, and in the production of dextrin. It is employed in a number of electro-plating processes, quite apart from the polishing of brass surfaces, and in the laboratory for electro-deposition of metals, including rare metals. The commercial product is liable to contain sulphuric acid, ammonia, and heavy metals, according to the initial method of preparation. The dried crystals, being hygroscopic, require to be stored in well-stoppered glass bottles.

ENOUGH TO TRY THE PATIENCE OF A SAINT



"It won't take long—it's only tablets!"

PHARMACEUTICAL SOCIETY OF IRELAND

Monthly meeting of Council

At a meeting of the Council of the Pharmaceutical Society of Ireland held in Dublin on May 8, Mr. Maurice Power (vice-president) was in the chair. Also present were Messrs. H. P. Corrigan (treasurer), J. Gleeson, G. C. O'Neill, F. J. Robinson, A. A. Toher, F. Loughman, D. J. Kennelly, T. B. O'Sullivan, C. J. Cremen, J. P. Kissane, V. McElwee, T. C. Scott, and J. J. O'Regan. Mr. James G. Coleman, B.L. (registrar) was in attendance. Mr. M. Costello, who was attending a meeting of the Health Insurance Advisory Committee was excused attendance. Apologies for absence were received from Messrs. N. A. P. McKane, and E. J. McSweeney.

President's Good Progress to Health

The Council heard with pleasure the news that the president (Mr. P. F. McGrath) was making satisfactory progress following his recent illness, and wished him a full and speedy recovery. On the motion of the vice-president, the Council expressed its sympathy with Messrs. H. G. Smith, Thomas J. Smith, M.P.S.I., John J. Smith, M.P.S.I., and relatives on the death of their brother, the Very Rev. Joseph A. Smith, Pastor of Pinole, California.

A letter was read from the Department of Health in connection with forthcoming poisons legislation. THE REGISTRAR reported that the Council was represented at a conference at the Department to discuss the proposed new Bill. Representatives from the Royal College of Physicians, the Irish Medical Association, and the Department of Agriculture were also present. The medical and pharmaceutical interests stressed the need for up-to-date poison regulations. The Department of Health representatives undertook to prepare a draft Poisons Bill and to submit it to the interests represented for their observations, following which a further conference would be held.

A letter was read from the Cork City and County Chemists' Association drawing attention to an advertisement in a local journal and asking that action should be taken on it. The Council thought that the Association should take up the matter directly with the journal concerned.

Antigen, Ltd., Roscrea, wrote intimating that Invenol, an oral treatment for diabetes, would shortly be available to the medical profession, and requesting that steps should be taken to ensure that supplies to the public would be available through chemists on medical prescription only. The Council agreed that that preparation should be given only under medical supervision, and directed the registrar to obtain further technical information after which they would have the matter brought to the attention of the health authorities.

Drs. Irene Mary Davis, Balbriggan, co. Dublin, F. Newell-Roberts, Oughterard, co. Galway, and Frederick Walter Stewart, Belfast, all of whom submitted L.A.H. certificates, were granted registration as pharmaceutical chemists. The registrar reported on the deaths of Christopher L. Broderick, M.P.S.I., and Thomas J. Loughlin, L.P.S.I.

The reports of the House, Law, Schools, and Education Committees were submitted and approved.

The Council considered tenders for the erection of a new biology laboratory. Mr. R. Dowling, the architect, was in attendance. A number of tenders were examined by members of Council before a decision was reached to place the contract. Several members suggested various modifications and improvements in the plans as submitted, all of which were noted by the architect. It was agreed that building should commence without delay so that the laboratory would be available for classes assembling in October. It was agreed that roof lights should not be installed in the new building in case the Society at a later date should decide to add a second story. Mr. A. A. Toher urged that particular attention should be given to good ventilation in the new laboratory, a view supported by MR. J. P. KISSANE. The architect

said that that would be borne in mind when the work was being carried out.

A number of resolutions were passed by the Council governing the award of the gold and silver medals of the Society, and the standards to be obtained by candidates in their final examinations to qualify for an honours certificate. It was further agreed that the new regulations would be retrospective for students who had qualified since the change in the examination regulations. The Council also decided that members of the College professorial staff should be appointed annually as internal examiners, to act conjointly with external examiners in the conduct of the Licence examinations, and in addition that the Licence examiners should be empowered to recommend that candidates who failed to obtain their major qualification, but had reached a certain standard should be given the Assistants' qualification.

Conference Bookings

On consideration of the report of the British Pharmaceutical Conference Committee, MR. D. J. KENNELLY (secretary) stated that nearly 300 bookings had already been received for the Conference. A reasonable quotation had been received from a firm of insurance brokers to cover all attending the Conference against accident risks and other contingencies.

It was agreed to accept such coverage on the terms offered, and Mr. Kennelly was commended on the initiative he had shown in the matter.

After consideration of the report from the Pharmacy Act Committee the registrar was directed to prepare a memorandum based on the report, for submission to the Department of Health.

The registrar reported that of the seventy-one candidates who sat the April Part II Licence examination sixteen passed. The examiners stated that many of the candidates were ill-prepared for the examination. It was suggested that the entry of so many candidates of that type was due to the imminence of the change in the examination arrangements, which comes into effect in 1958. For Part I of the Licence examination it was reported that thirty-eight entered and seventeen passed. Twelve candidates sat for the Assistants' examination and nine passed.

MR. F. LOUGHMAN expressed surprise that more candidates did not enter for the Assistants' qualification, and Mr. Kennelly said he believed that if more students became aware of the advantages of taking the Assistants' examination, which did provide a certain legal qualification, more would go forward for it. Success in the Assistants' examination gave an encouragement and stimulus to work for the Licence qualification.

The Licence certificates of the following were signed and sealed:—Messrs. Andrew F. X. Dolan, Desmond Denis Leahy, John Kennedy, Richard J. Shanahan; Misses Mary P. Gaffney, Maire S. G. Edwards, Mary A. Herriott and Annie B. Nolan. The following were elected members of the Society:—Miss Mary P. Murphy, Messrs. John Harnett and R. McQuillan. The following were nominated for membership:—Drs. Irene Mary Davis, Retford House, Balbriggan, co. Dublin; Frederick Norman Newell-Roberts, Oughterard, co. Galway; Rustomjee Sorabjee Rustomjee, 49 Florida Road, Durban, South Africa; and Daniel Christopher O'Sullivan, Aughamore House, Kilbeggan, co. Westmeath.

The following changes of address were notified:—

Mrs. Eleanor M. Wood, M.P.S.I., to 2A Weir Park, Lower Dodder Road, Rathfarnham, Dublin; Messrs. Arthur Allshire, M.P.S.I., to 2 Botanic Road, Glasnevin, Dublin; Joseph Swanton, M.P.S.I., to 140 Upper Leeson Street, Dublin; and Richard Kingston, M.P.S.I., to Bunbeg, co. Donegal.

At a meeting of the Benevolent Fund Committee a number of grants were passed for payment.

TOPICAL NOTES FOR THE AGRICULTURAL CHEMIST

By STOCKMAN

Strange Bedfellows

MANY chemists will have been surprised at receiving a letter from the National Pharmaceutical Union in an envelope marked O.H.M.S. The letter, addressed to "N.P.U. members in areas serving the farming community," is concerned with the Warble Fly (Dressing of Cattle) Order, and is accompanied by an official Phil Archer poster, and a leaflet exhorting everybody to get rid of warbles. In March 1956, let it be recorded, there was established between the Ministry of Agriculture and the National Pharmaceutical Union, not only contact but active liaison. "Quite apart from the advantage to the national interests" says the secretary in his letter, "I am sure that the possibilities of developing your business with the farming community will not be lost on you." Nor will the opportunity be lost on us to show the N.P.U. that this is the kind of action we have been awaiting for a long time. Will we "please display the poster, preferably in association with a small display of the dressing materials"? If it will encourage the N.P.U. in veterinary matters we will eat derris powder and—yes, we will even hang Phil Archer in our windows.

The life history of the warble fly illustrates some of the biological mysteries that still surround the relationship between parasite and host. How have cattle learned to avoid the warble fly? Gadding, standing in water or in shade are reactions provoked by the slight noise made by the warble fly, yet the insect does not sting—it does no harm at all: it only lays its eggs, painlessly, on the hairs of the legs. Do the cattle know that those offsprings will cause a plague of boils nine months later? In the same way horses try to avoid the horse bot-fly, and sheep the sheep nasal-fly: both belong to the same family as the warble fly, and none can bite or sting.

Again why—and how—do the warble larvæ, after burrowing through the skin, find their way to their winter quarters on the wall of the oesophagus and then, in the springtime, migrate to situations beneath the skin on the back of the animal. Why does the fly choose the back legs of cattle for its egg laying? (not that it does not sometimes make mistakes and lay elsewhere, even, occasionally, getting so confused as to infest horses and men).

There are three ways in which control of warble fly is attempted. There is the official method using derris and soap to kill the mature warbles—and incidentally why does the B.Vet.C. not give us a suitable formulation? There are various tarry preparations for painting on the legs of cattle in an endeavour, usually futile, to persuade the fly that the object of its attention is a four-legged pine tree and unfit to receive its eggs. (A considerable reward awaits the discoverer of an efficient fly repellent for farm stock.) And lastly there is the relatively new attempt to kill the warbles during the winter by dosing the cattle with phenothiazine. Where only a small proportion of the stock is likely to be affected, that method may seem wasteful, though it usually has a salutary effect on the condition of young stock, which are sure to be harbouring helminths. Of warbles, however, the method does not seem to give complete control, and that is not surprising, since phenothiazine is considered to be effective only against certain nematodes, and only when found in the intestines. Warble grubs are the larvæ of arthropod flies, and they are not found in the alimentary canal. Nevertheless trials have shown that regular monthly dosing during the winter does lessen the number of warbles appearing in the spring.

Progress in the agricultural sphere with systemic insecticides that make the plant itself poisonous to sap-sucking aphids, and to burrowing larvæ, naturally gives rise to hopes of something analogous in veterinary medicine, which might be aimed primarily at warbles and husk worms.

Drift—to Immersion Cleaning

Because the rate at which workers are leaving agriculture is outpacing the saving in man-power brought about by increasing mechanisation, shortage of labour is fast becoming the major difficulty in farming today. It should surely be a matter of grave public concern that each year some ten thousand men, experienced and skilled in the production of food, should be moving into industry and public undertakings, often as gate-keepers, floor sweepers or even as brewers of tea—taking on jobs which demand so much less than they are able to give.

The immediate results on the farming pattern are well known: fewer acres of roots and corn, more of leys and pastures; in other words, more sheep, more imported feeding-stuffs, and decreased food production. The other secondary factor is an increased demand for labour-saving methods and devices. If a chemical or gadget or a method will save work on the farm, it finds a ready market.

Milk production has already been revolutionised within the least two decades by the adoption of machine milking, about 75 per cent. of milk producers, owning over 90 per cent. of the dairy stock, are now milking by machine. The least welcome job in the routine is that of cleaning and sterilising the equipment. It involves, twice a day, a procedure such as drawing cold water through the clusters; scrubbing clusters, pails, cooler, etc., with cold water; scrubbing again in hot water containing a detergent and hypochlorite; sterilising by steam or by immersion in hot hypochlorite solution; and draining and hanging up to dry. In addition, once a week it is usual completely to dismantle all parts of the milking machine and vacuum line and thoroughly clean the innumerable bits and pieces.

Among trends towards simplicity is the method by which milking is done direct into the cans, and the milk cooled by in-churn coolers. It cuts out the milk pails, buckets, strainer funnel, cooling pan and flow cooler; reduces the handling and the exposure of the milk as well as reducing the amount of equipment needing cleaning. The trend is a sensible one, and it now looks as though it will be taken a step further by the introduction of a system called immersion cleaning. That system applies only to direct-to-churn milking, where the milk-contact surfaces can be reduced to a minimum, and is for a machine of special design which is shorn of the taps, moisture traps, sight glasses, and even milk filter.

With that equipment, C. C. Thiel, at the National Institute for Research in Dairying, Shinfield, has shown that efficient cleaning is possible without scrubbing. The clusters, milking tubes and lids are simply immersed in a solution of 2 to 2½ per cent. caustic soda containing 0·2 to 0·25 per cent. of a sequestering agent, such as ethylenediamine tetra-acetic acid (Sequestrol, Geigy) to prevent the formation of scale or milk stone.

Two clusters with two lids and two milking tubes are packed in a wire basket, which is lowered by means of a handle into a can containing the caustic solution. All the metal parts involved must be of stainless steel in order to avoid corrosion. To prepare for the next milking the components are rinsed in water containing ½ fl. oz. of approved hypochlorite per 5 gall., and then assembled on the cans. The caustic solution is changed, not twice a day, but once a month, when the milking parts are completely dismantled, inspected and, if necessary, replaced.

The technique has advantages which sound convincing, and it complies with Milk and Dairies Regulations. Already several milking machine manufacturers, including Alfa-Laval and Fullwood & Bland, are offering equipment suitable for this cleaning method.

AN ENGLISH PHARMACIST IN CANADA

2. First Impressions and Getting a Job

By HUGH GREEN

BEFORE embarking on any sort of description of Canadian pharmacy and the way of life of a Canadian druggist, I must make it clear that I am not being in any way critical of the way in which pharmacy is conducted in Canada. I am merely stating facts. This is the Canadian way of life, and pharmacy here has had to adapt itself to the completely different conditions that exist from those which obtain in Britain.

The conditions of severe competition from the "super markets," which sell everything except articles restricted by law, and the complete relaxation of any system of price maintenance, have forced pharmacy to tread a path which, by our standards, would appear to lead to the graveyard of any sort of professional status. That that has not happened must redound to the credit of the Canadian druggist and the various organisations that support him.

In the busy area, in the so-called down-town, one sees the American-type drug store depicted in the films—the large soda-fountain machine with its shiny exterior—the ice-cream bar with its many varieties of product, the hot-dog and hamburger section with its aromatic smell. Somewhere in the distance, ranging along the whole rear of the store, is the dispensary, with the single word "Prescriptions" brightly illuminated.

Wide Range of Goods

Not all drug stores are in that category, and as one comes more into the suburban areas one sees a simple drug store without any restaurant or food counters. Even in the "simple" store the goods stocked comprise an almost incredible range. The drug store appears to combine the duties of four or five establishments in one, and the whole situation may be summed up in the words of advice that were given to a meeting of pharmacists by a leading druggist in Toronto. "Make your store larger. The more merchandise you display the more merchandise you sell."

Invariably cigarettes, newspapers and magazines of all kinds are available. Candy bars, chewing gum, birthday cards and greeting cards are all on prominent display.

At the time of writing most drug stores have a large display of chocolate Easter eggs and chocolate Easter novelties. No store would be complete without its Coca-Cola self-service unit. One large chain drug store has a large display of nylon stockings at very competitive prices as an Easter present for its customers.

The interiors of the stores set a very high standard. They are all beautifully laid out, meticulously tidy in appearance, and all very well lit. The goods are usually laid out in self-service sections. One cannot help being aware of the energetic fight for business that the druggist is putting up, and the fact that the customer expects, and gets, a high standard of service.

The hours that most stores keep are long. It is common for them to open from 8.30 in the morning until 9 at night for seven days each week. Most remain open until 10 o'clock on Friday and Saturday nights.

If pharmacists in England, who blatantly break the rota system, could be brought here to see the result of such lack of co-operation, I am sure they would return with a very different outlook.

When one realises that a pharmacist must be present the whole of the time, and the law is rigidly enforced on that point, it becomes apparent that each store must employ at least two pharmacists, and often three, not because of the work involved but purely to have a pharmacist always on duty. Generally, however, under the shift system in a nor-

mally staffed pharmacy, no druggist should work more than forty-four hours weekly, working alternately an early morning and a late evening. Qualified staff is in short supply. That means that the pharmacists there are called upon to work the longer periods necessary to maintain the store hours. The big departmental stores have all a prescription counter and they, with many of the independent drug stores, operate a prescription collection and delivery service. The prescription is collected by a messenger, brought to the store to be dispensed, and delivered with other goods as soon as possible. A lot of the custom depends on how fast the service is.

Paradoxically there exist in contrast to those store-type pharmacies some really "ethical" pharmacies, which by any standard would be considered near perfection in pharmaceutical practice. There are probably not more than a dozen of them in Toronto, but they are there. They maintain a twenty-four-hour prescription service, and sell nothing except medicines (no cosmetics, no photographic department, just pure pharmacy).

I hope to be able to work in all the different types of pharmacies and to be able to explain why some pharmacies have to resort to complete merchandising while others can exist purely on prescription.

Obtaining work as a licensed druggist would, of course, be easy, as the demand is high. To an English pharmacist, however, it is a little more difficult. The pharmaceutical journals do not publish any sort of "situations vacant" columns, as ours do. To obtain a post it is necessary to contact various trading organisations and ask whether they know of any vacancies. A standard procedure is to visit the drug store, ask to see the manager, and state one's business. In Ontario, at the time of writing, there is a reciprocal arrangement with Great Britain. It becomes effective only after the British pharmacist has spent six months in Canadian pharmacy. It means, virtually, that no English pharmacist can accept responsibility for dispensing without supervision until that period has elapsed. It thus becomes necessary for him to find a store which employs more than one pharmacist at a time. Those are not difficult to find. One just has to call at one or two of the larger stores in order to find one that is suitable. The salary offered for this type of work (which is really of a slightly higher status than a dispensing assistant at home) is in the region of \$65-80 weekly; a graduate pharmacist could hope to earn \$100-120 weekly. What all that means in hours of work, in spending capacity and in responsibility I shall know soon enough, for on Monday at 8 I present myself for work in a Canadian drug store.

*A PHARMACIST'S ANTHOLOGY***ABOMINABLE ASSAFETIDA**

From "The Journal to Stella," by Jonathan Swift.

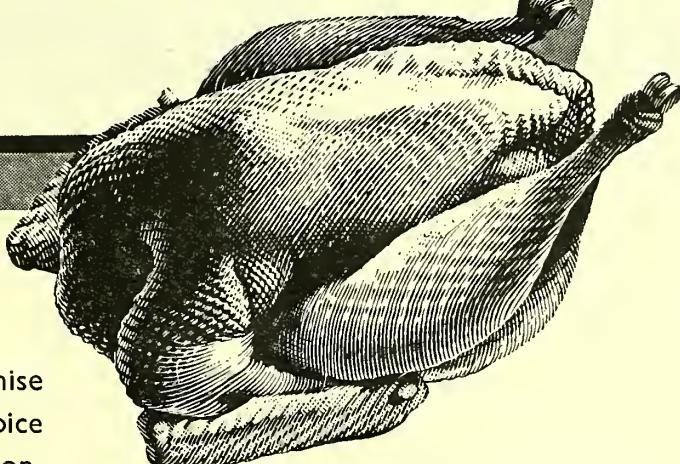
London, January 26, 1711-12.

I . . . SAT this evening with poor Mrs. Wesley, who has been mightily ill to-day with a fainting fit; she has often convulsions too; she takes a mixture with Assafetida, which I have now in my nose; and everything smells of it. I never smelt it before; 'tis abominable.

London, October 9, 1712.

I HAVE left Windsor these ten days, and am deep in pills with assafetida, and a steel bitter drink; and I find my head much better than it was. I was very much discouraged; for I used to be ill for three or four days together, ready to totter as I walked. I take eight pills a day, and have taken, I believe, a hundred and fifty already.

a step forward in Caponisation



Poultry-keepers wishing to caponise cockerels have hitherto had choice of three methods: surgical castration, implantation of hexoestrol or implantation of stilboestrol. Of these, the first is difficult and dangerous. The others, safe and simple though they are, have not proved ideal in practice; for, while hexoestrol gives the heavier birds and the more pronounced "feminisation", stilboestrol gives the finer flesh.

Now comes a new caponising pellet—a pellet that combines hexoestrol and stilboestrol (7.5 mgm. of each), so giving the advantages of both. Issued only after convincing trials, this new poultry-implant, marketed as 'Combestrol', has been found to stimulate as rapid gains in weight and to feminise male birds as fully as hexoestrol implanted by itself, yet at the same time to tenderise their flesh as amply as stilboestrol used alone.

Poultry-keepers will want to try 'Combestrol'. When they see results, they never will go back to older caponising methods. Packs and retail prices of 'Combestrol' are: tubes of 25, 3/6; bottles of 100, 10/6; bottles of 1000, 96/-. Order stocks NOW.

'COMBESTROL'

Hexoestrol and Stilboestrol (Veterinary) for Implantation

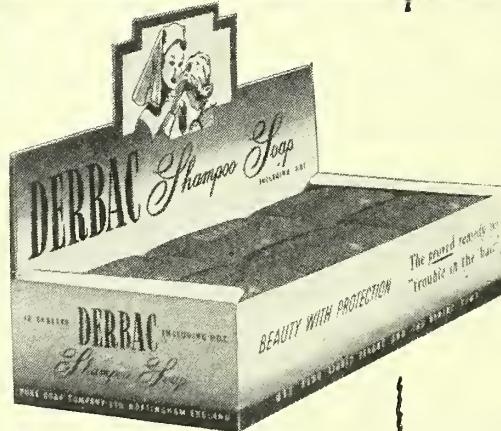


BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

*you can't afford to miss
the special
Derbac bonus parcels*

*They give over 37%
and 39% on returns*

Now is the time to stock up on Derbac. Take advantage of the special bonus parcels, offered until 30th June. They give a particularly high margin on returns. Derbac Liquid is a *new improved emulsion*, as quick, safe, and effective as ever but more pleasant in use. Recognised for over 30 years as the one complete remedy, Derbac clears up the most stubborn infestation within one hour.



For slight cases recommend DERBAC Soap (containing DDT) now put up in the new 12-tablet Display Box shown alongside. DERBAC Combs should be used with all these remedies. There is also DERBAC Medicated Shampoo—simple, safe, pleasant.

new improved
DERBAC the proved and pleasant remedy for trouble in the hair

Send for display leaflet and order form

ROBERTS WINDSOR SOAP CO. LTD., THE ACRE, WINDSOR, and Victoria Soap Works, Colwick, Nottingham

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, MAY 16: Trading in CRUDE DRUGS during the week showed little variation on that of the previous week. Spot shortages continued to grow in anticipation of new-season's crops. Prices held firm in most directions and a number of commodities were marked up.

HYDRASTIS is becoming scarcer on the spot and holders were asking 19s. 6d. per lb., or sixpence more than recently. AGAR also tended to be firmer by threepence per lb. as a result of higher quotations from origin. ARECA NUTS for shipment were dearer for the second week in succession. The firm tendency of PAPAIN continued with East African grade 1 now at 21s. against 20s. per lb. Among SPICES, African GINGER was dearer but the various kinds of PEPPER again declined with the exception of black Malabar for shipment. CINNAMON quills for shipment were sixpence per lb. dearer. AROMATIC SEEDS were substantially the same with the exception of DILL and FENNEL for shipment, the latest prices for which are given below. SENNA shipments from Tuticorin during April were as follows:

	U.K.	U.S.	Continent
SENNA	Tons	Tons	Tons
LEAVES	10	—	67
PODS...	—	—	4

The new-crop SENNA LEAVES have not yet begun to arrive at the port in any quantity. A shipment of COLOCYNTH PULP which arrived during the week was sold almost immediately.

The best grade of Californian LEMON OIL was quoted lower for shipment, the new rate being 34s. 6d. per lb., c.i.f.

In PHARMACEUTICAL CHEMICALS there was an increase of threepence per gm. in the price of ISOPRENALELINE SULPHATE.

Pharmaceutical Chemicals

ASPIRIN.—Prices are as follows:—5-cwt. lots, 4s. 7d. per lb.; 1-cwt., 4s. 7½d.; 28-lb. and under 1-cwt., 5s. 5d. Smaller lots from 5s. 7½d. to 6s. 2½d., as to quantity and package.

CAFFEINE.—For 1-cwt. lots, ALKALOID, B.P., is 19s. 3d. per lb.; ANHYDROUS ALKA-LOID, 20s. 3d.; and CITRATE, 13s.; SODIUM IODIDE, 23s. 9d.

CALAMINE.—1-cwt. lots are 1s. 10½d. per lb.; 10-cwt., 1s. 9d.

CALCIFEROL.—B.P. is 3s. 11d. per gm. for 100-gm. lots and 3s. 9d. per gm. for 250-gm.

CALCIUM PANTOTHENATE.—Price per kilo is £22 17s. 6d.

CHLORIBUTOL.—28 lb. lots are at the rate of 10s. per lb.

CHLOROFORM.—1-cwt. lots in winchesters are 3s. 6d. per lb.; 56-lb., 3s. 6½d. In drums, prices are 3s. 4d. and 3s. 4½d.

COCAINE.—For 16-oz. lots the price of the HYDROCHLORIDE is 91s. 6d. per oz. and ALKA-LOID, 101s. Subject to D.D.A. regulations.

CYANOCOBALAMIN.—Less than 10 gm. lots are £87 10s. per gm.

7-DEHYDROCHOLESTEROL, ACTIVATED.—Price is 4d. per million units for less than 1,000 m.u. and 3½d. for 1,000 to 5,000 m.u.

DIPHENAN.—Prices range from 55s. 3d. 56-lb.) to 63s. (1-lb.) per lb.

FOLIC ACID.—B.P. and U.S.P. is offered at 6s. 1d. per gm. in 1-kilo lots.

GLYCERIN.—Rates for pharmaceutically pure are given in the following table:—

Annual purchases or spot lots of	Under 1-cwt.	5-cwt. and under 1-cwt.		1 ton and under 5 tons		5 tons and under 25 tons				
		s.	d.	s.	d.	s.	d.			
TINS										
14-lb.	288	6	284	0	280	0	275	6	273	0
28-lb.	286	2	282	0	278	0	273	6	271	0
56-lb.	282	6	278	0	274	0	269	6	267	0
DRUMS										
1-cwt.	—		262	0	258	0	253	6	252	0
2½-cwt.	—		259	0	255	6	251	0	249	6
5-cwt.	—		255	0	250	6	249	0	248	6
10-cwt.	—		254	0	250	0	248	6	246	6

For 25 tons and upwards the price is from 247s. 6d. to 273s. as to containers. Bulk deliveries in tank wagons from 245s. to 246s. Pale straw industrial glycerin, s.g. 1-260, is 5s. per cwt. less than the above.

GLYCEROPHOSPHATES.—Rates per lb. for 1-cwt. lots are as follows:—ACID, B.P.C., 20 per cent., 5s. 9d.; CALCIUM, soluble B.P.C., 11s. 9d.; IRON, B.P.C., scale, 15s. 9d. and powder, 14s. 9d.; MAGNESIUM, soluble, B.P.C., 14s. 3d. and insoluble, 7s. 6d.; MANGANESE, B.P.C., 26s. 3d.; POTASSIUM, 50 per cent., B.P.C., 3s. 9d. and 75 per cent., B.P.C., 3s. 6d.; SODIUM, 50 per cent., B.P.C., 3s. 1d. and 75 per cent., B.P.C., 4s. 6d.

IODIDES.—The current quotations are given below:—

IODIDE	per lb.	Quantity
	s. d.	
AMMONIUM ...	22 0	28 lb.
ARSENIC TRI-	47 6	28 lb.
CADMIUM ...	22 6	28 lb.
CALCIUM (PLATES) ...	22 3	28 lb.
ETHYL ...	27 6	28 lb.
LITHIUM ...	29 0	28 lb.
POTASSIUM ...	13 7	1 cwt.
SODIUM ...	16 7	1 cwt.
STRONTIUM ...	23 0	28 lb.
ZINC ...	27 9	7 lb.

ISOPRENALELINE SULPHATE.—B.P. is 1s. 3d. per gm. for 1,000-gm. lots and 1s. 9d. per gm. for 100-gm. lots.

LEAD ACETATE.—B.P. crystals are 200s. per cwt., and technical, 180s.

MENAPHTHONE.—B.P. is £12 per kilo; ACETOMENAPHTHONE, B.P., £12; WATER-SOLUBLE (menadione sodium bisulphite, U.S.P.), £16 per kilo.

NICOTINAMIDE.—Prices per kilo are now: 1 kilo, 92s. 6d.; 10 kilos, 90s.; 50 kilos, 88s. 6d.

NICOTINIC ACID.—Prices per kilo are 57s. 6d. for 1-kilo and 53s. 3d. for 50-kilo lots.

NIKETHAMIDE.—Prices per kilo are.—1-kilo, 113s.; 50-kilos, 105s.

PAPAVERINE.—Synthetic HYDROCHLORIDE is 252s. 6d. per kilo.

PILOCARPINE.—In 100-oz. (or 2½-kilo) lots prices are: HYDROCHLORIDE, 42s. 6d. per oz. (1,428s. 6d. per kilo); NITRATE, 38s. per oz. (1,340s. per kilo).

PYRIDOXINE.—Manufacturers' rate is £145 10s. per kilo.

RESORCINOL.—1-cwt. lots are now quoted at 13s. per lb. by manufacturer.

RIBOFLAVINE.—Price (per kilo) is £24 17s. 6d. for 1-kilo and £24 15s. for 10-kilo lots.

ROCHELLE SALT.—Rates (per cwt.) for powder or granulated material are as follows:—In 5-cwt. lots or over, 200s. per cwt.; 1-cwt., 202s. 6d. SEIDLITZ POWDER ordinary strength is 160s. 6d. per cwt. in 1-cwt. lots.; smalls, from 2s. to 2s. 3d. per lb. Extra strong is 172s. 6d. per cwt., and from 2s. 1d. to 2s. 4d. per lb. for small quantities. Double-strength is 180s. per cwt.; smalls, 2s. 2d. to 2s. 5d. per lb.

SALICYLIC ACID.—Prices are now: 5-cwt. lots in bulk, 3s. 0½d. per lb.; 1-cwt., 3s. 1d.; 28-lb. and under 1-cwt., 3s. 8d.

SODIUM SULPHITE.—1-ton lots on the spot of ANHYDROUS (48-50 per cent.) are £66 10s. per ton in 1-cwt. drums or £62 5s. in 1-cwt. bags; CRYSTALS, B.P.C., are £31 15s. per ton in 2-cwt. paper-lined bags. Commercial crystals are from £25 5s. to £27 as to packing.

SODIUM THIOSULPHATE.—Makers' price for 1-ton lots in paper-lined bags is £35 15s. per ton.

STILBOESTROL.—1-kilo lots of B.P. and DIPROPIONATE are 730s. per kilo.

TANNIC ACID.—The B.P. levis, ex ether is quoted at 4s. 9d. per lb. for 5-cwt. lots and 5s. per lb. for 1-cwt.

TERPINEOL.—Prices of B.P. grade are from 3s. to 3s. 6d. per lb., as to quantity.

UREA.—Manufacturers' rates for pharmaceutical grade are £63 per ton in 1-cwt. bags non-returnable. Technical quality is £44 10s. per ton.

VITAMIN A.—Supplied in strengths of 200,000 international units per gm. the price is 11½d. per million i.u.

VITAMIN D.—In oil, 2 million units per gm. the price is 2d. per million international units. Crystalline see under calciferol. D₃ see under 7-dehydrocholesterol, activated.

VITAMIN E (synthetic).—TOCOPHERYL ACETATE, B.P.C., 10 gm. to 100 gm., 1s. 2d. per gm.; 100 gm. to 1 kilo, 1s. per gm. 1 kilo and under 10 kilos, £47 5s. per kilo. The equivalent rates for racemic α TOCOPHEROL (unesterified) are 1s. 3d. per gm.; 1s. 1d. per gm. and £52 per kilo.

ZINC CHLORIDE.—B.P.C., cake from 4s. 6d. to 4s. 10d. per lb.; sticks from 5s. 10d. to 6s. 2d. per lb. TECHNICAL, 117s. 6d. per cwt.

ZINC SULPHATE.—B.P. in 1-cwt. lots is quoted at 1s. 10d. per lb.

Crude Drugs

AGAR.—Kobé No. 1 is from 12s. 3d. per lb., duty paid, and 10s. 10d., c.i.f.

ALOES.—Prime Cape for shipment is 330s. per cwt., c.i.f., nominal.

ANISEED (STAR).—Chinese is offered at 142s. 6d. per cwt., duty paid and 125s., c.i.f., for shipment.

ARECA NUTS.—Quotations are from 40s. to 55s. per cwt., as to quality on the spot. Shipment, 65s., c.i.f.

ASAFÖETIDA.—Persian block is scarce on the spot with prices nominal.

BALSAMS.—Quotations (per lb.) are:—Canada: Spot offers are 21s. Copaliba, soluble, 8s. to 10s., duty paid. Peru, 9s. 9d., duty paid, and for shipment at 8s. 6d., c.i.f. Tolu (genuine as imported) is 27s. 6d.; B.P. is 17s. 6d., spot.

BISMUTH METAL.—Minimum rate is 16s. per lb.

BUCHU.—Spot supplies are from 7s. 3d. to 7s. 6d. per lb.

CASSIA BARK.—Whole on the spot is about 90s. per cwt., in bond and for forward delivery, 80s., c.i.f. Broken, 75s., in bond, and 67s. 6d., c.i.f.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb., 0000, 7s. 6d.; 000, 7s. 4d.; 00, 7s. 2d.; O, 7s.; firsts, 6s. 2d.; quillings, 3s. 8d.; chips, 10d. to 11d.

DIGITALIS LEAF.—*Purpurea* is offered at 3s. 2d. per lb., c.i.f.

ERGOT.—Portuguese on the spot is 8s. 9d. per lb.; forward, 8s. c.i.f.; Polish is from 4s. 6d.; Hungarian, high-testing, 11s. 6d., landed terms, and American, 10s. all on the spot.

GALANGAL.—Root is quoted at 52s. 6d. per cwt., c.i.f., for f.a.q.

GENTIAN.—Very scarce with 150s. per cwt. asked for spot. No shipment offers.

GINGER.—African is offered on the spot at 235s. per cwt., with shipment at 230s., c.i.f. Jamaican No. 3 for May-June shipment, 520s., c.i.f.

GUM ACACIA.—Kordofan cleaned sorts on the spot are 140s. per cwt.; afloat and shipment, 129s., c.i.f.

HENNA.—Indian is 70s. per cwt. on the spot.

HYDRASTIS.—Root is from 19s. 6d. per lb. on the spot.

IPECACUANHA.—Nicaraguan, 56s. per lb., c.i.f.; 57s. 6d. for average test on the spot; Colombian, 52s. spot, and 47s. 6d., c.i.f. Matto Grosso, 46s. 6d., c.i.f.

KARAYA.—No. 1 gum on the spot is now quoted at 295s. per cwt., and No. 2 at 255s.

KOLA NUTS.—Jamaican are offered at about 8d. per lb., spot, and African, 5½d.

LANOLIN.—In 1-ton lots the price of ANHYDROUS, B.P., is from 160s. to 165s. per cwt.; 5-cwt. lots from 162s. to 167s. per cwt. HYDROUS, B.P., is from 140s. to 142s. for similar quantities. All in drums, carriage paid, U.K.

LIQUORICE.—Quotations (per cwt.) for natural root are: Anatolian, 55s.; Russian, 42s. 6d.; Persian, 35s. Block juice is 200s. per cwt. for the Anatolian and 195s. for Chinese on the spot. Italian stick from 310s. to 475s. per cwt., duty paid.

LOBELIA HERB.—Spot material is 11s. per lb. July-August shipment, 4s. 10d. c. and f., quoted.

LYCOPODIUM.—Supplies of Russian triple-sifted are scarce on the spot; shipment quoted at 7s. 6d. per lb., c.i.f.

MACE.—Whole on the spot is 22s. per lb.

MENTHOL.—Chinese, 42s. per lb. in bond and 44s. c.i.f. Brazilian, 40s. in bond; 39s., c.i.f.

MERCURY.—Per flask (76-lb.) £85 on the spot.

MYRRH.—A small parcel of sorts on the spot offered around £18 10s. per cwt.

NUTMEGS.—West Indian for shipment official prices, 3s. 3d. per lb. for wormy and broken; 4s. 7d. for sound unassorted, f.o.b. terms.

PAPAIN.—Spot value for East African grade one is 21s. per lb. Ceylon brown is scarce on the spot; shipment, 15s., c.i.f.

PEPPER.—Lower. White Sarawak on spot is now 2s. 2d. per lb. and for May shipment, 2s., c.i.f. Black Sarawak is 1s. 11½d. to 2s. per lb., spot, and May shipment, 1s. 7½d. c.i.f. Black Malabar is unchanged at 270s. per cwt. on the spot; May-June shipment, 237s. 6d., c.i.f., quoted.

PIMENTO.—Forward rate is now 520s. per cwt., c.i.f.

PODOPHYLLUM.—*Emodi* is quoted at 150s. per cwt. ex wharf. Indication for new-crop *Peltatum*, 500s., landed.

PSYLLIUM.—Indian seeds are quoted at 1s. 1d. per lb. on the spot.

SAFFRON.—Firm. Mancha superior on the spot is from 260s. per lb.

SEEDS (Per cwt.).—**ANISE.**—Tunisian now quoted at 227s. 6d. in bond; Spanish, 257s. 6d. duty paid. **CARAWAY.**—Easier. Dutch now offering on spot at 142s. 6d. duty paid. **CELERI.**—Unchanged. Indian, 140s. spot. **CORIANDER.**—Spot, Moroccan nominal at 95s., duty paid. Rumanian or Danubian, 62s. 6d., duty paid. Splits, 55s., duty paid, and Bulgarian, smalls at 50s., duty paid. **CUMIN.**—Spot, Cyprian, 130s.; Moroccan, 135s., duty paid; Iranian, 125s., duty paid. Shipment, Cyprian is quoted at 117s. 6d., c.i.f.; Moroccan old-crop at 127s. 6d., c.i.f.

DILL.—Indian on spot is 65s. Shipment price is firmer at 55s., c.i.f. **FENNEL.**—Unchanged on spot. Indian is 95s. The new-crop shipment is now easier at 90s., c.i.f. **FENUGREEK.**—Firm. Spot, Moroccan offering at 70s., duty paid, and Indian at 72s. 6d. **MUSTARD.**—English, 57s. 6d. to 80s., according to quality.

SENEGA.—Spot is 20s. per lb. Shipment, new-crop, July-August, 17s. to 17s. 6d., c.i.f., quoted. **SERPENTARIA.**—Offers for shipment are quoted at 40s. per lb., landed terms. **HELLAC.**—F.O.T.N., 277s. 6d. per cwt.; F.O. No. 1, 295s.; fine orange, 330s. to 390s.

SLIPPERY ELM.—Grinding quality bark is 2s. 6d. per lb.

SQUILL.—White is offered on the spot at 65s. to 70s. per cwt.

STRAMONIUM.—Indian LEAVES are 75s. per cwt. and European 80s. on the spot.

STYRAX.—Spot value is 5s. 9d. per lb., duty paid.

TONQUIN BEANS.—Para frosted are 6s. 6d. per lb. on the spot.

TRAGACANTH.—No. 1 ribbon is £175 to £180 per cwt.; No. 2, £135 to £140.

TURMERIC.—Madras finger on the spot is easier at 130s. per cwt. May-June shipment is now 92s. 6d., c.i.f.

VALERIAN ROOT.—Indian on the spot is 140s. per cwt. Dutch, 182s., c.i.f.

VANILLIN.—Rates (per lb.) are:—5-cwt. lots, 30s.; 1-cwt., 30s. 3d.; 56-lb., 30s. 6d.; smaller quantities, 30s. 9d.

Essential and Expressed Oils

BAY.—West Indian is 11s. per lb. on the spot.

BERGAMOT.—Spot quotations are now 55s. per lb.

BIRCH TAR.—Rectified is about 14s. per lb. in 1-cwt. lots.

BOIS DE ROSE.—Brazilian is 27s. 6d. per lb. on the spot and 25s., c.i.f.

CAJUPUT.—Spot supplies are 15s. 9d. per lb. for 1-cwt. lots.

CAMPHOR, WHITE.—Chinese is 2s. per lb., duty paid.

CANANGA.—Spot is from 56s. to 62s.

CARAWAY.—English-distilled is offered at 55s. and imported from 33s. per lb., duty paid.

CASTOR.—Minimum 2-ton lots of pharmaceutical quality, £154 per ton, naked ex mill, May delivery.

CEDARWOOD.—1-cwt. lots of American are 6s. 6d. per lb.

CELERY SEED.—Oil is 105s. per lb. for bulk lots.

CHAMOMILE.—English oil is offered at from 240s. to 256s. per lb.

CHENOPODIUM.—Spot supplies are 31s. per lb.

CLOVE.—Madagascar leaf is 9s. 3d. per lb., duty paid and 7s. 8d., c.i.f., for shipment. Rectified 87-88 per cent., 14s.; distilled bud oil, English, from 35s.; imported, 17s. 6d.

CORIANDER.—Russian-seed oil is quoted from 82s. 6d. per lb.

CUBEB.—Spot price for small lots is 50s. per lb.

CUMIN.—Quotations for English-distilled oil are about 110s. per lb. and imported, 57s. 6d.

EUCALYPTUS.—Australian 70 to 75 per cent. eucalyptol on the spot is 5s. 8d. per lb.; 80 to 85 per cent., 6s. 4d. Spanish 70 to 75 per cent. at 5s. 6d. duty paid. Chinese type, 5s., duty paid.

GARLIC.—English is 55s. per oz.

GERANIUM.—Bourbon is from 105s. per lb. on the spot and Algerian, 72s. 6d.

GINGER.—English-distilled oil is 205s. per lb. Imported oils are now 170s. per lb., duty paid.

GINGERGRASS.—Offers are from 28s. per lb.

HYDNOCARPUS.—Spot is about 2s. 2d. per lb.

LAVENDER.—B.P. French oil, 38-40 per cent. linalool on the spot is available at 73s. 6d. per lb. with 40-42 at 78s. 6d. Best Grasse for shipment is nominally 100s., c.i.f.

LAVENDER SPIKE.—Spanish is offered at 13s. 6d. per lb. on the spot.

LEMON.—Prices of B.P. oil (4 per cent. citral) vary greatly on the spot according to quality and range between 25s. and 40s. per lb. Californian, 28s. 6d. to 36s. 4d., c.i.f., as to quality, subject to licence.

ORANGE.—Spot quotations of sweet oil are from 4s. 6d. per lb. for Floridian to 21s. for West African. For shipment, proprietary brand Californian sweet is 6s. 1½d., c.i.f., and cold-pressed, U.S.P., 9s. 4d., c.i.f. Terpeneless is 210s. per lb. spot. Bitter orange oil is 20s. per lb.

OTTO OF ROSE.—Bulgarian is 450s. and Turkish, 190s. per oz.

PALMAROSA.—East Indian, 60s., spot; 56s. 6d., c.i.f.

PENNYROYAL.—Spot is quoted at 23s. 6d. per lb., duty paid.

PEPPERMINT.—*Arvensis*: Chinese is 33s. per lb. on the spot and 32s. 6d., c.i.f. Brazilian, 24s., spot, and 21s., c.i.f. Italian "Mitcham"-type oil is from 70s. spot, and American, 42s. 6d. to 47s. 6d. English Mitcham, 190s. to 200s.

PINE.—*Pumilonis* on the spot is from 16s. per lb.; *sylvestris*, 9s. Siberian (*abietis*), 12s. 6d.

ROSEMARY.—Spanish oil on the spot is from 5s. to 5s. 6d. per lb., duty paid, for drum lots, as to quality.

SPEARMINT.—Offers of U.S. oil for shipment are about 35s. 6d. per lb., c.i.f., with spot at 38s. Dutch quoted at 35s., duty paid, with Chinese offered at 27s. 6d.

THYME.—Spot is 9s. per lb. for the B.P.C.

UNITED STATES REPORT

NEW YORK, MAY 15: The possibility of synthetic competition brought the price of RESERPINE down \$1 to \$5 a kilo. Other FINE CHEMICALS were unchanged in price. Higher per lb. among CRUDE DRUGS were Cape ALOES at 52 cents (up seven cents); BUCHU at \$1.10 (10 cents); and PSYLLIUM at 38 cents (four cents). Lower per lb. were LOBELIA at \$1.00 (down 40 cents); and IPECACUANHA at \$7.00 (25 cents). Little important variation was noted in ESSENTIAL OILS. Higher per lb. were Bourbon GERANIUM at \$13.50 (up \$1.25); ANISE, \$3.50 (25 cents); and Californian LEMON, \$4.75 (five cents). Lower per lb. were SANDALWOOD at \$14.25 (down 50 cents); and South American BOIS DE ROSE oil, \$3.25 (25 cents).

WORLD TRADE

Potassium Chloride from Dead Sea.—The Jordan Government has announced its decision to proceed with a scheme to extract potassium chloride from the Dead Sea.

Hungary's Investment Plan.—Proposals for the investment of £150 millions in the next five years in the development of the chemical industry have been put forward in Hungary.

German Interest in Colombia.—Discussions have taken place recently in Colombia about the construction of a new plant for the manufacture of pharmaceutical goods. The plant will be managed by Quimica Schering Colombiana, Ltd., which is 50 per cent. owned by the Schering Co. of Berlin and 50 per cent. by M. Droguerias Aliadas S.A., a pharmaceutical sales company.

New Australian Factory Planned.—A new factory is to be built at Villawood, New South Wales, to supply Asia with drugs and cosmetics of Warner-Lambert Proprietary, Ltd. It is expected that the new plant and processes will enable the factory to compete successfully with other branches of the company, particularly the United Kingdom branch which at present controls the bulk of the Asian market.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," May 2

For all goods, but not including natural manures or chemical substances for preserving foodstuffs (1)

Device, 736,910, by Badische Anilin- & Soda-Fabrik, A.G., Ludwigshafen-on-Rhine, Germany.

For all goods for use by spraying (1) ACRO-SPRAY, 744,577, by American Cyanamid Co., New York, U.S.A.

For all goods (1) ARUBREN, 749,095, by Farbenfabriken Bayer, A.G., Leverkusen, Germany. ELFUGINE, 749,961, by Sandoz, A.G., Basle, Switzerland.

For polyolefins and thermoplastic materials in the form of powders, granules and the like comprising polyolefins (1) CELATHENE, 746,490, by British Celanese, Ltd., London, W.I.

For emulsifying agents used in the manufacture and treatment of oils and fats (1) MONOPHAN, 747,077, by M. & H. Stemmler, G.m.b.H., Koln-Brausfeld, Germany.

For chemical products used in science and photography, agriculture, horticulture and forestry; manures (natural and artificial); fire-extinguishing compositions; tempering substances and chemical preparations for soldering; chemical substances for preserving foodstuffs; and adhesive substances used in industry (1) DECALEX, 748,619, by May & Baker, Ltd., Dagenham, Essex.

For fertilisers (1) HI-LO, B748,476, by Gayday Garden Products, Rufforth, York.

For sensitised photographic films (1) MICROGRAN, 749,207, SCOPIX and STRUCTURIX, 749,211-12, by Gevaert Photo-Producten, N.V., Mortsel, Belgium.

For dentifrices in the form of creams (3) Device with the wording ANFO AERO DENTAL CREAM BY ABSORPTION NO ABRA-SIVE, 744,578, by Anfo Patent, A.G., Zurich, Switzerland.

For preparations for waving and setting the hair (3) PEER PIN PERM, PEER PIN SET, 749,859-60, by Sales Affiliates, Ltd., Borcham Wood, Herts.

For preparations for the hair, perfumes, cosmetics and non-medicated toilet preparations, but not including soap or saponaceous toilet preparations (3) METRO, 748,057, by Everett & Co. (Manchester), Ltd., Rusholme, Manchester.

For soaps and detergents (not for use in industrial and manufacturing processes) (3) KIT, 748,387, by Lever Bros., Port Sunlight, Ltd., Port Sunlight, Ches. SNOWFLAKE, 749,826, by Hodgson & Simpson, Ltd., London, E.C.4.

For all goods (3) GRETAN, 748,753, by Greatmans Stores (Rhodesia), Ltd., Bulawayo, Southern Rhodesia.

For sun tanning preparations (being cosmetic or non-medicated toilet preparations) (3) ULTREN, ULTREN BK, 749,703-04, by Lloyd Lamol, Ltd., London, S.W.1.

For perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles, sachets for use in waving the hair, soaps and essential oils (3) PASSPORT, 750,460, by Goya, Ltd., London, W.1.

For all goods (5) EZANIN, 735,991, by Roche Products, Ltd., Welwyn Garden City, Herts. RE-STOLIC, 745,604, and ARPEZINE, 747,519, by Merck-Sharp & Dohme, Ltd., Hoddesdon, Herts. COMPLAN, 747,794, by Glaxo Laboratories, Ltd., Greenford, Middlesex. STRINACTIN, 748,796, by May & Baker, Ltd., Dagenham, Essex. SECROSTERON, 750,006, by The British Drug Houses, Ltd., London, N.1. CREMAN-TIS, 750,053, by Allen & Hanburys, Ltd., London, E.2.

For pharmaceutical, veterinary and sanitary substances, disinfectants and preparations for killing weeds and destroying vermin (5) Device, 739,145, by Badische Anilin- & Soda-Fabrik, A.G., Ludwigshafen-on-Rhine, Germany.

For pharmaceutical preparations and substances (5) VALORA, 741,123, by International Import and Export Corporation, Ltd., Nassau, Bahamas.

For pharmaceutical preparations and substances for human and veterinary use (5) FOROMADIL, 750,327, by Ciba, Ltd., Basle, Switzerland.

For antibiotic pharmaceutical preparations for use in the treatment of amoebiasis (5) AMOEBIOTIC, 741,168, by Chas. Pfizer & Co., Inc., New York, U.S.A.

For pharmaceutical preparations containing ergometrine for human and veterinary use (5) ERGO-RONDASE, 744,795, by Evans Medical Supplies, Ltd., Speke, Liverpool.

For pharmaceutical products (5) DELTACORTENOL, 745,038, by Lepetit, S.p.A., Milan, Italy.

For antiseptic throat lozenges containing chlorine (5) SEPICHLOR, 745,566, by Wigglesworth, Ltd., Westhoughton, Lancs.

For preparations for killing weeds and destroying vermin; and insecticides (5) HEXADRIN, 745,858, SILLORTOX, 747,703, by Fisons Pest Control, Ltd., Bourn, Cambs.

For insecticides and preparations for destroying vermin (5) JERTOX, 748,694, by Thornton & Ross, Ltd., Huddersfield, Yorks.

For esters, derivatives of esters and preparations containing esters, all being pharmaceutical products (5) SORBESTER, B746,633, by Howards of Ilford, Ltd., Ilford, Essex.

For pharmaceutical preparations for use in the treatment of vaginitis and autonomic dystonia (5) VEGETOPAN, 747,297, by C. H. Boehringer Sohn, Ingelheim-am-Rhein, Germany.

For pharmaceutical preparations for human use in the treatment of disorders of the bile or of the gall bladder (5) CHOLETOL, 748,437, by The British Drug Houses, Ltd., London, N.1.

For electro-medical appliances (10) ACTINETTE, 749,724, by Perihel, Ltd., London, W.8.

For pharmaceutical preparations containing sulphonamides (5) DELTASULPH, 748,489, by Armour & Co., Ltd., London, E.C.1.

For azines and preparations containing azines, all being pharmaceutical products for the treatment of obesity (5) PHENMETRAZINE, 747,551, by C. H. Boehringer Sohn, Ingelheim-am-Rhein, Germany.

For anthelmintics (5) LORELMIN, 747,558, by Glaxo Laboratories, Ltd., Greenford, Middlesex.

For antibiotics and preparations consisting principally of antibiotics, all for pharmaceutical purposes (5) CORTIMYCIN, 747,719, by Les Laboratoires Francais de Chimiotherapie, S.A., Paris, France.

For bandages, material prepared for bandaging, medical and surgical plasters, surgical dressings and swabs, and cotton wool for pharmaceutical purposes (5) SALVO, 748,805, by Southalls (Birmingham), Ltd., Birmingham, 8.

For oestrogenic preparations (5) PREMARIN, 748,936, by Ayerst, McKenna & Harrison, Ltd., Quebec, Canada.

For deodorants and anti-perspirants, all for human use (5) FREM, 748,956, and FRUM, 748,958, by A. & F. Pears, Ltd., Isleworth, Middlesex.

For sanitary underclothing (5) COVREX, 749,924, by Dellend, Ltd., London, S.W.1.

For medicated preparations for the treatment of the scalp (5) VOSENE, 750,142, by Vosemar, Ltd., Bury, Lancs.

For gloves for industrial operatives for use against accident or injury (9) JOMAC, B746,144, by Jomac, Inc., Philadelphia, U.S.A.

For surgical, medical, dental and veterinary instruments and apparatus (10) POLYTRON, 749,936, by Alexander Poliakoff, London, E.C.1.

For combs, brushes (21) Device with wording BASF 1865, 739,152, by Badische Anilin- & Soda-Fabrik, A.G., Ludwigshafen-on-Rhine, Germany.

For flavourings (other than essential oils) for use with beverages (30) WHIRL, 749,483, by Edward Hack, London, W.C.1.

For agricultural, horticultural and forestry products, and foodstuffs (31) CASILAN, 749,718, by Glaxo Laboratories, Ltd., Greenford, Middlesex.

From the "Trade Marks Journal," May 9

For soil-conditioning agents (1) Design of the word FLOTAL, 731,756, by Rumianca, S.p.A., Turin, Italy.

For gases and chemical products being solvents for industrial purposes (1) PAM, 746,038, by Steenkolen-Handelsvereeniging, N.V., Utrecht, Holland.

For synthetic resins (1) SURCOPRENE, 747,960, and SURKYD, 747,963, by Indestructible Paint Co., Ltd., London, W.1.

For peroxide compounds (1) PEROXUR, 747,202, by Koninklijke Industriele Maatschappij Voorheen Noury & Van der Lande, N.V., Deventer, Holland.

For chemical products used in industry, science and photography; fire-extinguishing compositions; adhesives for use in industry; chemical substances for preserving foodstuffs; and synthetic resins (1) I-PLEX, 747,331, by Rohm & Haas, G.m.b.H., Darmstadt, Germany.

For chemical products used in industry (1) SYNAROME, 748,705, by Synarome, Asnières, France. BAYKANOL, 749,097, by Farbenfabrikken Bayer, A.G., Leverkusen, Germany.

For adhesives for use in industry (1) Device with the words EVO STIK, 749,068, by Evode, Ltd., Stafford.

For sensitised photographic paper (1) BROMOLITH, 749,203, by Gevaert Photo-Producten, N.V., Mortsel, Belgium.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Thursday, May 24

LIVERPOOL CHEMISTS' ASSOCIATION and BRANCH, Adelphi hotel, Liverpool, At 7.30 p.m., annual meeting of the Association. At 8 p.m., annual meeting of the Branch.

NEWCASTLE AND NORTHUMBERLAND BRANCH, PHARMACEUTICAL SOCIETY, Royal Station hotel, Newcastle, at 7.30 p.m., Annual meeting.

PORTRUSH BRANCH, PHARMACEUTICAL SOCIETY, Royal Beach hotel, Southsea, at 7.30 p.m., Meeting to hear the report of Branch representatives.

Friday, May 25

SOCIETY OF COSMETIC CHEMISTS, Bonnington hotel, Southampton Row, London, W.C.1, at 7 p.m. Annual meeting. Mr. R. T. Dobson on "Development of a New Product."

Saturday, May 26

GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 2.45 p.m., Annual meeting.

PRINT AND PUBLICITY

Advertising Campaigns

COUNTY LABORATORIES, LTD., Honeypot Lane, Stanmore, Middlesex: Amami wave set. In *Daily Express* (May 25), national newspapers, women's magazines.

DAE HEALTH LABORATORIES, LTD., 17 Berners Street, London, W.1: Trice depilatory. In *Woman*, *Woman's Own*, *Woman's Weekly*, *Woman & Home*, *Daily Mirror*, *Sunday Pictorial*, *News of the World*.

GOLDEN, LTD., L'Oreal House, 7 Grosvenor Street, London, W.1: Color-Glo. Half-pages in colour in women's magazines.

ILFORD, LTD., Ilford, Essex: Ilford Envoy camera. In women's and junior magazines.

KEEN, ROBINSON & CO., LTD., Carrow Works, Norwich: Robinson's soft drinks. In newspapers, magazines, in cinemas.

MACLEAN'S, LTD., Great West Road, Brentford, Middlesex: Lucozade. In *Daily Express* (May 22).

SCOTT & TURNER, LTD., Andrews House, Gallowgate, Newcastle-on-Tyne: Delrosa rose hip syrup. In *Sunday Pictorial* (May 20).

Commercial Television

MANCHESTER STATION

SUNDAY, May 27: Colgate dental cream (between 7.30 and 10.30 p.m.).

SATURDAY, June 2: Kolynos.

BIRMINGHAM STATION

SUNDAY, May 27: Colgate dental cream.

THURSDAY, May 31: Gibbs' S.R. tooth-paste (between 8 and 10 p.m.).

FRIDAY, June 1: Kodak film (between 8 and 10 p.m.).

SATURDAY, June 2: Silvikrin liquid shampoo; Kolynos.

LONDON STATION

SUNDAY, May 27: Max Factor beauty preparations (between 8 and 9 p.m.); Beecham's pills; Colgate dental cream.

WEDNESDAY, May 30: Gibbs' S.R. tooth-paste (between 8 and 10 p.m.).

FRIDAY, June 1: Beecham's pills; Kodak film (between 7.55 and 10.5 p.m.).

SATURDAY, June 2: Silvikrin liquid shampoo; Anne French preparations.

Catalogues

R. F. HUNTER, LTD., 51 Gray's Inn Road, London, W.C.1: Paterson photographic products. Price 3d. Pp. 12.

WILLMOT TRUCKS, LTD., Dudley, Warks: Materials handling and industrial truck equipment. Pp. 38.

Periodicals

AYRTON, SAUNDERS & CO., LTD., Hanover Street, Liverpool, 1: *The Ayrton Link*, Spring 1956. CHILEAN IODINE EDUCATIONAL BUREAU, Stone House, Bishopton, London, E.C.2: *Current Iodine Literature*, Vol. 3, Nos. 4 and 5. Pp. 35 and 26.

DRAGOCO, G.m.b.H., Holzminden, Germany: *Dragoco Berichte*, No. 5, 1956. Pp. 20; *Dragoco Report*, No. 5, 1956. Pp. 8.

GEORGE T. GURR, LTD., 136 New King's Road, London, S.W.6: *Gurr's Commentary on Current Laboratory Methods*, No. 17, March 1956. Pp. 4. Supplement, Pp. 2.

HILGER & WATTS, LTD., 98 St. Pancras Way, London, N.W.1: *Hilger Journal*, Vol. 2, No. 3, Pp. 16.

ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.1: *The Roche Courier*, Vol. 21, No. 9. Pp. 4.

HENRY WIGGIN & CO., LTD., Thames House, Millbank, London, S.W.1: *Wiggin Nickel Alloys*, No. 38. Pp. 20.

Price Lists

MDORE MEDICINAL PRODUCTS, LTD., 1 Queen's Terrace, Aberdeen: Pharmaceutical specialties, April, Pp. 6.

OXO, LTD., Thames House, Queen Street Place, London, E.C.4: Oxo medical preparations, 1956. Supplementary list, and revisions, May, Pp. 16, 4, 1.

POLAK & SCHWARZ (ENGLAND), LTD., 50 Great Cambridge Road, Enfield, Middlesex: Aromatic chemicals, April-June, Pp. 16.

RIKER LABORATORIES, LTD., Morley Street, Loughborough, Leics: Trade, February, Pp. 6.

SANDOZ PRODUCTS, LTD., 134 Wigmore Street, London, W.1: Pharmaceutical preparations (with April alterations). Pp. 12

Booklets and Leaflets

BRITISH HYDROCARBON CHEMICALS, LTD., Devonshire House, Piccadilly, London, W.1: "British Hydrocarbon Chemicals, Limited." The story of the formation and growth of the company and a description of its products, Pp. 26.

C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; *=Tax 30 per cent.; †=Tax 60 per cent.; ‡=Tax 90 per cent.

ABBOTT LABORATORIES, LTD. (from May 22)

Desbutal capsules 100 I.R.P. 13 6 R

ALLEN & HANBURYS, LTD.

Apyrogen Each

2-c.c. ampoules 5 1 8 2 6 A

100 20 6 30 9 A

5-c.c. ampoules 5 2 1 3 1½ A

100 30 0 45 0 A

10-c.c. ampoules 5 3 4 5 0 A

100 46 0 69 0 A

540-c.c. bottle 4 0 6 0 A

Apyrogen with chlorocresol 2 3 3 4½ A

0·1 per cent., 25-c.c. vial 2 3 3 4½ A

FORD JACKSON & CO. (SALES), LTD. (purchase tax change)

Anita's hair glitter† Doz. 11 3 2 3 A

B. N. FURMAN PRODUCTIONS, LTD. (purchase tax change)

Pride spraying hair lacquer† Doz. 20 0 4 3 A

refill† 13 0 2 8 A

RILLING CO. (purchase tax change)

Life lacquer† 24 0 5 0 A

NEW PRODUCTS AND PACKS

AGILUX, LTD.

Agifold camera† 390 0

case 50 0

filter 10 6

lens hood 3 6

CINE AND OPTICAL DIVISION, RANK PRECISION INDUSTRIES, LTD.

G.B.-Kershaw camera model 450‡ 259 4

Vistavu slide viewer 266 0 399 0

A. S. CLARKE & CO.

Nobby freshener block

1 0

DAE HEALTH LABORATORIES, LTD.

Trice depilatory† 18 9 3 6

3 Doz. 16 9

GNOME PHOTOGRAPHIC PRODUCTS, LTD.

Gnome-meter rangefinder 33 1

leather case 7 0

GOLDEN, LTD.

Colour-Glo† 22 6 4 6

ILFORD, LTD.

E.N.M. numbering machine 72 0

IMPERIAL CHEMICAL CALS, LTD.

Avloprocil A.S. veterinary pack 252 0 31 6

Hibitane antiseptic lozenges* 12 16 8 2 6

KODAK, LTD.

Kodaslide table projector dust cover 330 0

PAINES & BYRNE, LTD.

Each 12 8 19 0

Pabracort capsules 25 29 4 44 0

insufflator and 10 capsules 15 4 23 0

PARFUMS CHANEL, LTD.

Talc powder No. 22 perfume* 12 6

PIFCO, LTD.

Pifco Tea-o-matic 182 6

Pifco tea-maker 97 6

TRUEFOOD, LTD.

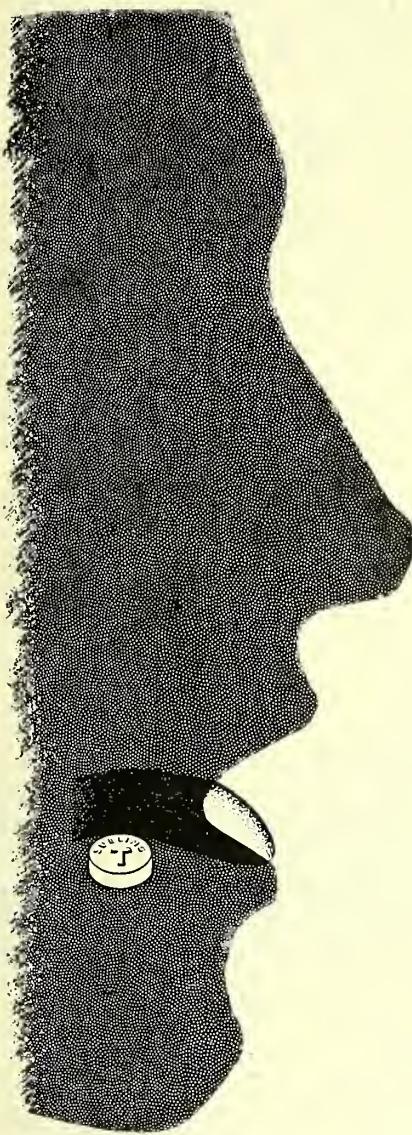
Spoonfoods apricots with semolina 91

C. & D. RETAIL AND DISPENSING PRICE LIST

The drug index for April was 199·9

Cost		Item			4 oz.	1 oz.	1 dr.
d.	per				s. d.	s. d.	s. d.
25	500 gm.	Acid. borici pulv. subtil.	...	...	0 11	0 3	—
39	500 gm.	Acid. oleicum	...	...	1 4	0 5	0 1
42	100 gm.	Acid. tannicum	...	...	—	1 9	0 3
114	500 gm.	Aloe Capensis pulvis	...	...	3 9	1 0	0 2
102	500 gm.	Catechu pulvis	...	...	3 3	0 11	0 2
28	25 gm.	Chlorocresol	...	...	—	4 8	0 8
69	100 gm.	Ext. ergotae liq., B.P.C.	...	S.1.(5)	—	2 10	0 5
27	25 mils	Ext. hyoscyam. liq.	...	P.L.(9)	—	4 6	0 8
84	500 gm.	Gelatinum zinci	...	...	2 9	0 9	0 2
36	500 gm.	Mucilage tragacanthæ	...	...	1 3	0 4	0 1
294	gall.	Ol. arachis	3s. 8d.	16 fl. oz.	1 0	0 3½	—
90	100 mils	Ol. graminis citrati	...	...	—	3 8	0 7
77	25 gm.	Ol. menthae pip. redest.	...	...	—	12 9	2 0
93	500 gm.	Ol. theobromatis opt.	...	...	3 0	0 10	0 2
90	250 gm.	Pulv. lobeliae co., B.P.C.	...	...	6 0	1 9	0 3
140	100 gm.	Pulv. stramon. co., B.P.C.	...	...	2 11	0 10	0 2
72	250 gm.	Ung. aquæ rosæ, B.P.C.	...	...	—	5 8	0 10
		Ung. gallæ	...	...	4 8	1 4	0 2½

The bold letters and figures at left of dispensing price relate to the classification of poisons in THE CHEMIST AND DRUGGIST Poisons Guide.



SUBLINGS TESTOSTERONE

*The LATEST way of
administering natural
male hormone*

Each Subling contains Testosterone B.P. 10 mg. and should be administered sublingually or preferably sublabially.

Also
available

Sublings Methyltestosterone
(not to be confused with Testosterone)
Sublings Doca
(deoxycortone acetate)

In bottles of 25, 100 and 500.

Literature on request from

ORGANON LABORATORIES LIMITED
BRETTENHAM HOUSE, LANCASTER PLACE, LONDON, W.C.2
Telephone : TEMple Bar 6785-6-7 & 0251-2 Telegrams : Menformon, Rand, London

NUCTA CREAM SHAMPOO



has proved
an attractive
selling line

Delightfully perfumed and with exceptional lathering and cleansing power.
Available also with Egg and Lemon.

IN 2 OZ. SIZE FOR HOME USE

Selling at 2/7½ (17/6 per doz. plus tax)

OBtainable from your usual wholesaler

MANUFACTURED BY

STEWART, GOODALL & DUNLOP LTD.
121A PRINCES STREET — EDINBURGH

The shaving brush with the TWO YEAR guarantee

We cordially invite you, when in London, to visit our showrooms at :—

92 Regent Street, London, W.I.
(one minute from Piccadilly Circus)

and see our range of 250 Pure Bristle and Pure Badger Shaving Brushes to suit all markets

VULFIX
SHAVING BRUSHES
PURE BADGER AND PURE BRISTLE

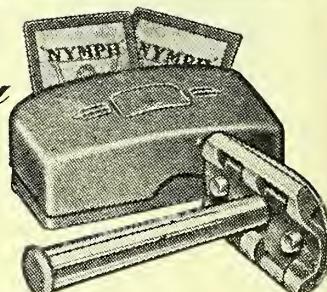


Please ask your wholesaler for particulars of our special offers.
Write for illustrated brochures and price lists

THE PROGRESS SHAVING BRUSH CO. LTD.
Mottram St., Stockport, Eng. 92 Regent St., London, W.I.

A Gift a Woman gives Herself...

counter
display
ensures
quick
sales



Nymph

Backed by national
full colour advertising



**ladies'
safety razor**

Every woman is a possible buyer of this dainty toilet accessory. Reasonably priced at 3/7½ to ensure spontaneous purchase!
Complete in moulded case with 2 blades, in PINK, BLUE, GREEN. "Nymph" Blades in cartons of 6 blades, 1/6.

Obtainable from your usual wholesaler.

A PRECISION-MADE **SOUPLEX** PRODUCT

SOUPLEX LTD., MORECAMBE, LANCS.

We're spending this
record figure on
our summer
advertising

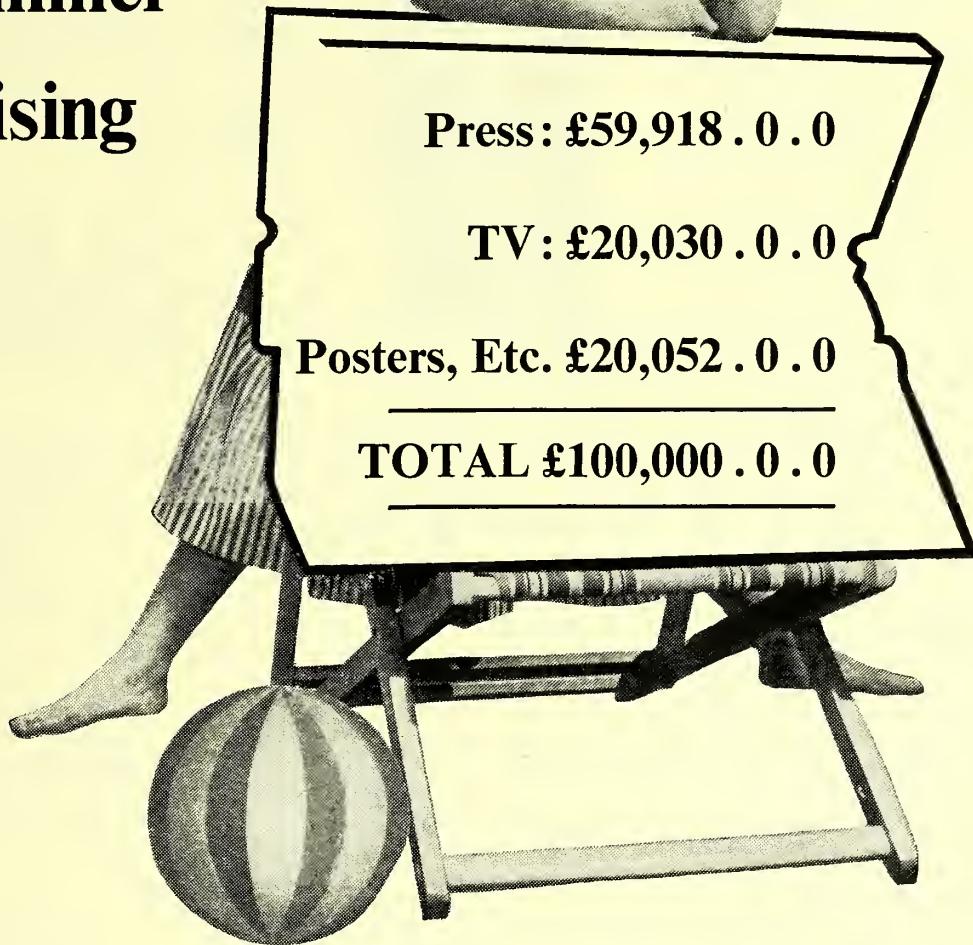


Press: £59,918 . 0 . 0

TV: £20,030 . 0 . 0

Posters, Etc. £20,052 . 0 . 0

TOTAL £100,000 . 0 . 0



This Summer we're spending more than ever on advertising the Gillette 'Rocket' Set. And you remember what a great success our 'Porter' campaign was last year. This year, too, we have the added backing of TV publicity. So now is the time to get set for record holiday sales.

Gillette 'Rocket' Set

PERSONAL WEIGHING MACHINE

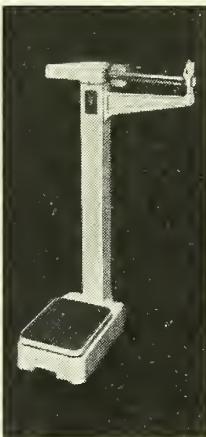
NO LOOSE WEIGHTS

These machines are manufactured in our Works at Edmonton, London, N.18, and comply with the British Standard Specification and all Weights and Measures Bye-laws.

They are strongly constructed and finished in white enamel and are fully guaranteed for twelve months.

Their design and the fitting of the latest hardened steel Knife Edges and self aligning Bearings ensures continuous accuracy of weighing for many years. A full range is available including our Combined Baby and Toddler Scale which has been the means of greatly increasing the sale of Baby Foods and kindred products in Chemists throughout the Country.

Hire Purchase Terms are available



Please send for illustrated Brochures

HERBERT & SONS LTD.

38 Charterhouse Street, London, E.C.1.

Telephone : CLE 2812

2/4 Clarendon Street, Oxford Road, Manchester, 15

Telephone : CENTRAL 5567

**The NEW
SURE
GRIP
*ADJUSTABLE
SHELVING
EQUIPMENT**

This specially designed shelving equipment simplifies the placing of shelves at various heights at will. Just fit the brackets into the correct sockets and your shelf is ready—no tools or screws required. Write today for leaflet giving full details. Trade enquiries invited.

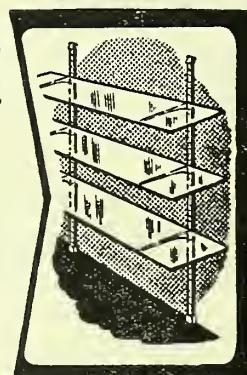


'H' column supplied in lengths up to 8 feet and held by 'X' and 'Y' Fixing Shoes.

'L' column supplied in lengths up to 6 feet bored for fixing direct to wall.

Manufactured and supplied by **DOLLAR-RAE Shopfitters Ltd.**
371-389 EGLINTON ST., GLASGOW, C.S.

Brackets available in lengths 6", 9", 12", 15".



WACKY TAPE
TRANSPARENT & COLOURS

ATTRACTIVELY PRINTED
IN ONE OR TWO COLOURS

SAMUEL JONES & CO. LTD.
NEW BRIDGE STREET, LONDON, E.C.4. FLEET ST. 6500

WE PREPARE SUGGESTIONS IN COLOUR
for approval without charge

© 1956 Samuel Jones & Co. Ltd.

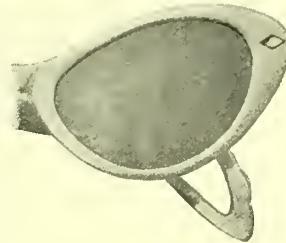


Twincs FASHION SUNGLASSES



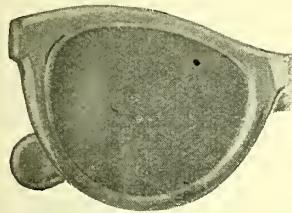
No. 885/S MASQUE.

28/-DOZ.

a new counter displayFREE WITH SUNGLASSES OF
28/- DOZEN UPWARDS

No. 885/7 DOMINO

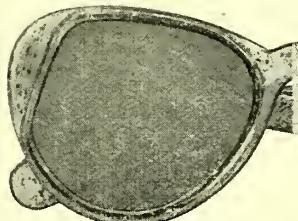
20/-DOZ.



No. 703 SOLENT.

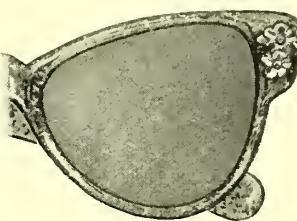
14/-DOZ.

No. 703 G. PACIFIC (GLITTER MATERIAL)



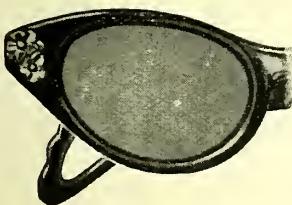
No. 833G. EDINBURGH.

20/-DOZ.



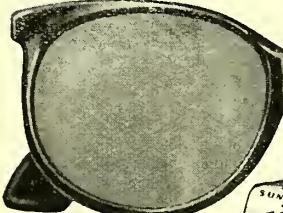
No. 803G/1A AVON.

40/-DOZ.



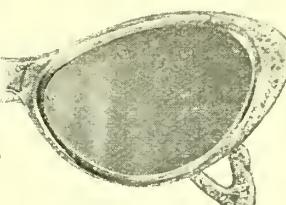
No. 855/1 GAIETY.

28/-DOZ.

especially for men

No. 871 ESQUIRE

20/-DOZ.



No. 885G COLUMBINE.

14/-DOZ.

FULL CATALOGUE ON REQUEST FROM YOUR WHOLESALER

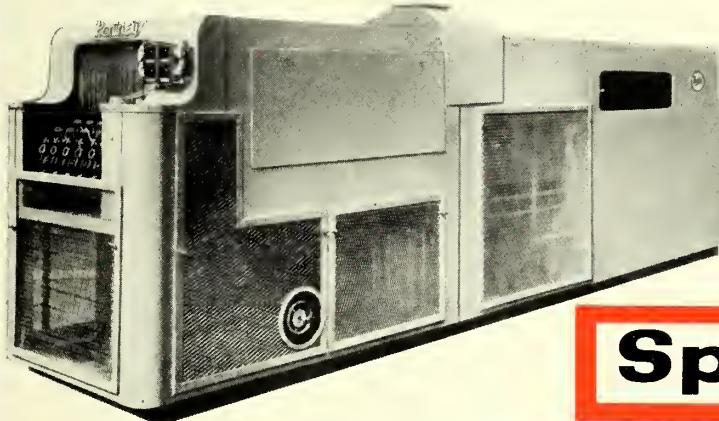
JARRETT, RAINSFORD & LAUGHTON LTD. WARSTOCK RD. BIRMINGHAM 14.

London Offices: 100 Dean St., W.I. (Gerrard 3473). Manchester: 13 Marsden Sq. (Blackfriars 8401). Glasgow: 60 St. Enoch's Sq.

**Be wise—sell
*Wisdom,***



**THE TOOTHBRUSH
THAT MOVES
FASTER
THAN ANY
OTHER BRAND**

Clean as a whistle*Dry as a bone ...*

That is how the Spartan Hydro bottle washing and drying machine turns them out. It minimises absolutely the risk of the odd unsterile package—delivering bottles—bright and bone dry—at an hourly rate of between 1200 and 3600. It is totally enclosed, easily accessible, fitted for variable speeds, and delivered as a complete unit. Built by specialist engineers, it is simple to instal, and particularly suitable for the Pharmaceutical industry

Spartan

HYDRO BOTTLE WASHING AND DRYING MACHINE

For all conditions at home and abroad, for all sizes and type of bottle, and for care and economy of operation SPARTAN is the answer

R. POWLEY & SONS LTD. Dept. 6/C, St. Mark's Rd. Sunderland, England

Tel. 4846-7

Grams & Cables: "Powley" Sunderland



Model 101
Retail price 73/-
Incl. Tax.

the ideal
treatment
for all
muscular
pains . . .

RADIARAY INFRA RED and Radiant Heat Lamps

for value · quality · reliability

Illustrated brochure available from Dept. 7, **Hinders Limited** 174/192 Estcourt Rd., London, S.W.6 Est. 1919

We've thought of a simple way
to help you sell more

handy
ANDIES

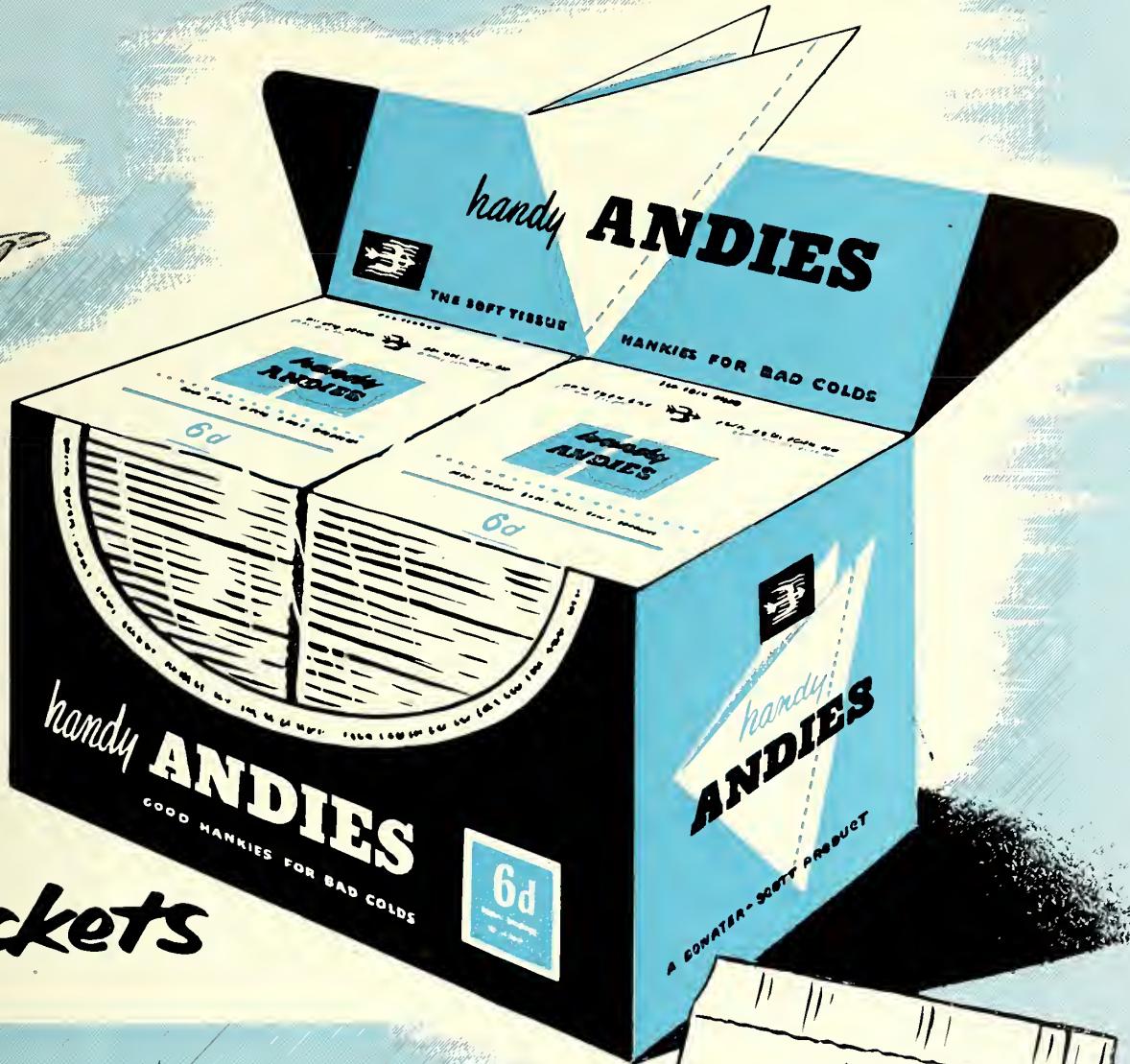


... a display box free with every



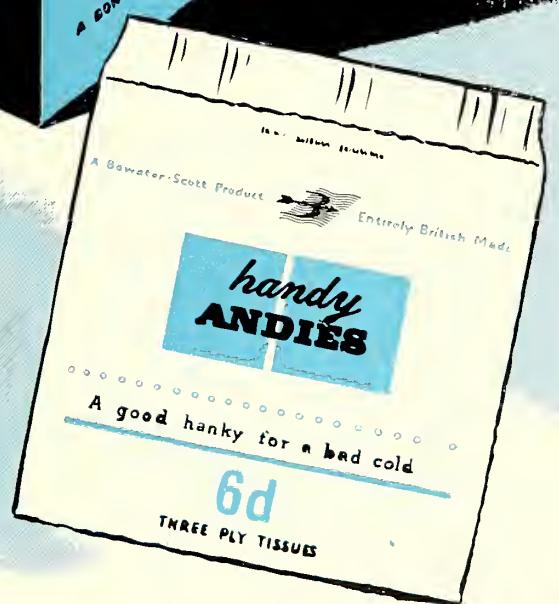
Remember too—

there's 2^d profit on every pack of



2 packets

you can always keep an Andies display in the public eye ; there's one of these five boxes for every dozen packets of tissues you order. As customers empty one box, replace with a new one. It's simple, trouble-free, yet your display remains uncrumpled, inviting.



handy ANDIES

*Let's
go
selling
with*

**MOULDED
and METAL
CLOSURES**

AN efficient closure can also be attractive and vital in the sales appeal of the whole package.

We can design and supply plain, fully decorated tin-plate or aluminium closures, cork stoppers and plastic caps from black to the most delicate pastel shade, with exquisite embossing.

When the contents of the container have been used and the label washed off, a distinctive closure will go on telling your story.



UNITED GLASS BOTTLE MANUFACTURERS LTD

8 LEICESTER STREET, W.C.2. Telephone: GERRARD 8611 (18 LINES) Telegrams: UNGLABOMAN, LESQUARE, LONDON

NEW 'Bubbly'

Stergene

O

has Everything !

Balanced "One-Rinse-Only"
lather

★
Refreshing Fragrance

★
Vivid Gay Coloureds

★
Safe as water for Dainty
things

★
Ideal in all Washing
Machines

★
Superb for Dishwashing

★
Can be used for the boil

... and the

SAME GENEROUS PROFIT FOR YOU !



DOMESTOS LIMITED, COLLEGE WORKS, NEWCASTLE UPON TYNE, 6

A Source of New Business

NERVONE

REGD.

Builds Up Nerve Power

**There is an unlimited demand
for this new Biochemic Tablet.
Show it — it Sells on Sight!**

PATA

NEW ERA LABORATORIES LTD
Cecil House, Holborn Viaduct, London

IF YOUR CUSTOMERS
just ask for Warfarin Rat or Mouse Poison

SELL THEM

RODINE

WARFARIN

and sell the best.
Repeated recommendations of Rodine means repeated profits for you.
Available as Ready-to-Use or Concentrate.
THOMAS HARLEY LTD., RODINE WORKS, PERTH, SCOTLAND

PURE CRYSTALLINE D3

Manufacturers:
PEBOE
LIMITED

Enquiries to SALES OFFICE
629/630 TOWER BUILDING
LIVERPOOL 3 • ENGLAND

LABORATORIES
GREENFORD • MIDDLESEX

AURORAL | FAST SELLERS

COLD WATER DYES

30 brilliant, favourite shades. Orders for one gross bring you a free Counter Display Cabinet on request. Easy 'look-and-choose' opportunity for your customers. Shade Cards and Showcards also available.

48/- per gross: Retail 6d. per packet.
Less 5% for cash in 7 days.

WHITAKER & CO. (KENDAL) LTD.
DYE AND CHEMICAL MANUFACTURERS — KENDAL

L-ASPARGIN PURE-NATURAL

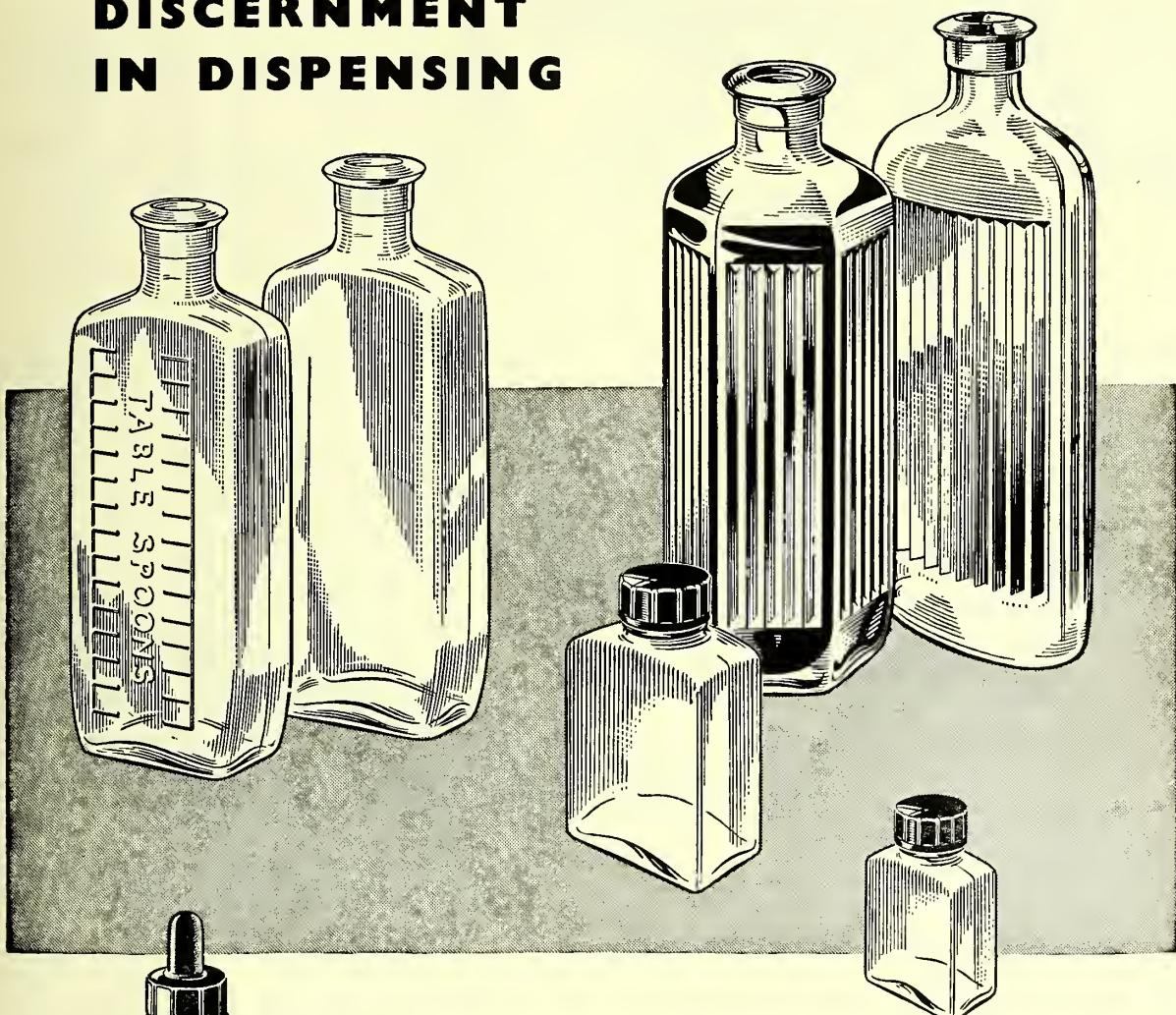
**COLCHICIN, B.P. 1953,
U.S.P. XIII,**

**MALE FERN EXTRACT,
B.P. 1953**

Dr. INVERNI & DELLA BEFFA, S.p.A. 99, VIA RIPAMONTI, MILAN. (ITALY)

TELEGRAMS: INVERBEFF-MILAN

DISCERNMENT IN DISPENSING



The discerning Pharmacist demands a container which combines attractive appearance with sound functional design. Beatson Bottles are produced especially to satisfy both these requirements—they look well, store well, handle well, pour well—Beatson Medicals, Panels, Ribbed Ovals, Emulsions, Tablets, Olive Oils, Corbyns and in fact every bottle used in Pharmacy is the better for being "BEATSON".



"The Sign of a Good Bottle"

BEATSON, CLARK & CO., LTD.
GLASS BOTTLE MANUFACTURERS
ROOTHERHAM *Established 1751* **YORKS.**

**Still the most popular
Corn remover**



Phone: BROADWELL, 1355

DISPLAY NOW

Carnation Corn Caps are well known and sell readily. Over the years they have become very firmly established and more and more widely known through recommendation and national advertising. Demand increases at this time of the year, and a regular prominent display from now until the winter will pay you well. Carnation Corn Caps have been a C.F. line since its inception.

RETAIL 1/1½d PACKET

(INCLUDING TAX)

TRADE 7/6 DOZEN

(PLUS TAX)

CARRIAGE PAID ORDERS

£5 AND OVER

(ALL PRODUCTS)

A
PRODUCT OF
Cuxson Gerrard & Co. Ltd.
OLDBURY • BIRMINGHAM

BEST-SELLERS

ALL
the year round!



"Sun-tang"

Sun-tang—made from whole oranges, sugar and glucose—contains Vitamin C, essential to good health.

'NIAGARA'
Blackcurrant Syrup

Niagara—made from Blackcurrant juice and sugar—rich in Vitamin C—the perfect drink or young and old alike.

Increased advertising means more customers for you—more customers asking for both these delicious, health-giving drinks. Meet the extra demand by ordering ample stocks NOW and make sure of year-round profits. Eye-catching display material, certain to boost sales, can be obtained from your usual wholesaler or direct from

BARNETT & FOSTER LTD.
QUEENSBRIDGE ROAD, LONDON, E.8. Tel.: CLIsold 7132

As advertised in the leading women's journals!

ROZALEX

BARRIER CREAMS

— the invisible glove

On any job where hands are exposed to grease and grime or wet chores, Rozalex barrier creams, smoothed on before work, will keep hands healthy and clean.



No. 1 for DRY WORK
tube 1/9 tin 2/6

No. 8 for WET WORK tube 1/9
(Prices include P.T.)

ROZALEX LIMITED, 10 NORFOLK STREET, MANCHESTER 2

SMALLER SIZE TRESS



Heavy advertising in
'WOMAN'
'WOMAN'S OWN'
'DAILY MIRROR' etc.
 will reach
15,000,000 WOMEN
 —widening the market for this
 fast-selling wave-set

TRESS, already one of the biggest selling wave sets, will reach an even wider market with the addition of this half-size pack. Be sure you have stocks to meet an entirely new demand for 1/9d Tress. The large size will still continue in demand by enthusiasts who have formed the habit of buying Tress at 2/10½d per bottle.

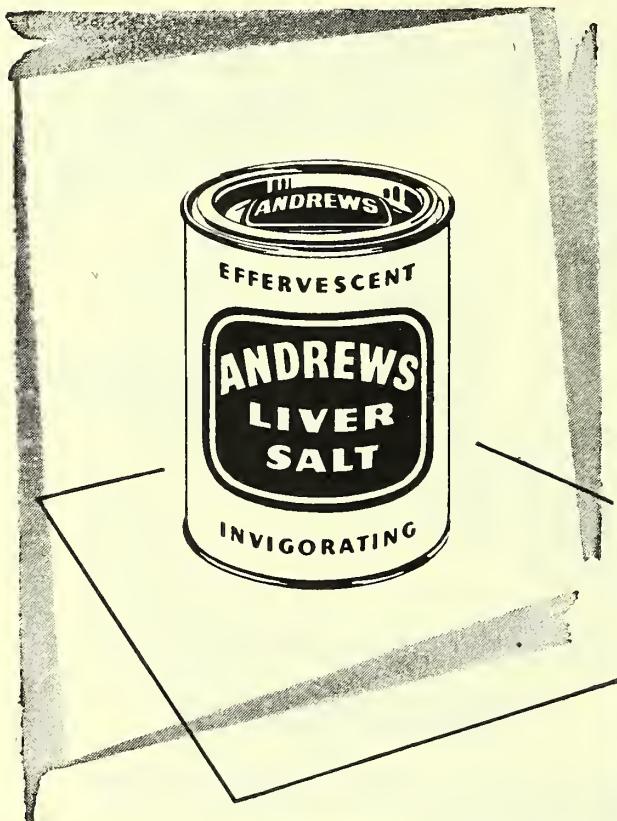
TRADE TERMS

SMALL SIZE
 Price 8/10d
 per dozen bottles
 plus 90% tax
 selling at 1/9d per bottle.

LARGE SIZE
 Price 14/5d
 per dozen bottles
 plus 90% tax
 selling at 2/10½d per bottle.

GOLDEN LIMITED, 7 GROSVENOR STREET, LONDON, W.I. Hyde Park 1671

Trade Enquiries for the Republic of Ireland should be addressed to: Lilmar Pharmaceuticals, Ltd., Santry, Dublin.



PORTRAIT OF A BEST-SELLER

Andrews has the largest sale of any effervescent saline in the world. This is because:—

- The public have confidence in it.
- It has never been sold by exaggerated claims.
- Its packing and keeping qualities are guaranteed.
- It is advertised by a powerful national campaign.

Andrews
for INNER
CLEANLINESS

'SOL-TAN' 'TRIPLEXRAY'

ULTRA VIOLET • RADIANT HEAT • INFRA RED

POPULAR for HOME
and PROFESSIONAL USE



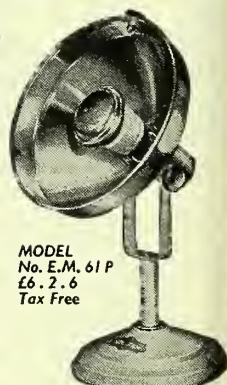
List Price
£19.15.0
Complete
TAX FREE

'Sol-Tan'
"TRIPLEXRAY"
Model
100/23 TM

Supplied only under Doctor's prescription

A Sol-Tan for every Purse and Purpose

For home, professional and hospital use "Sol-Tan" produce a wide range of Health Lamps and Electro Medical appliances. They are scientifically designed, fully tested and guaranteed for 12 months. Ask for details of the tax free Infra-Red Table model selling at the low price of £3.10.0.



MODEL
No. E.M. 61 P
£6.2.6
Tax Free



Write for details and Catalogues to
THE LONDON COMMERCIAL ELECTRICAL STORES LTD.
20-23 Cursitor Street, London, E.C.4

Infra-Red Table Model.
Long or Medium Wave.
Only sold against
Doctor's prescription.

RX

'Solupen'

'Solupen' is our new quickly-written name for crystalline penicillin G sodium salt and denotes soluble penicillin of the highest purity and potency. Also available -

'Solupen' Buffered.

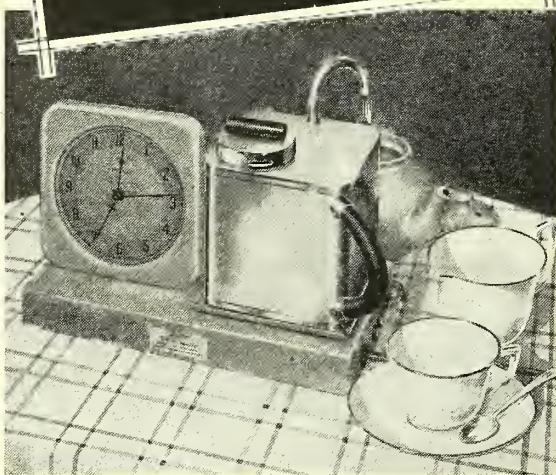
THE DISTILLERS COMPANY (Biochemicals) LIMITED

SPEKE, LIVERPOOL 19. Tel: HUNTS CROSS 1271

'Solupen' is a registered trade mark, the property of the manufacturers.

PPH 6/56

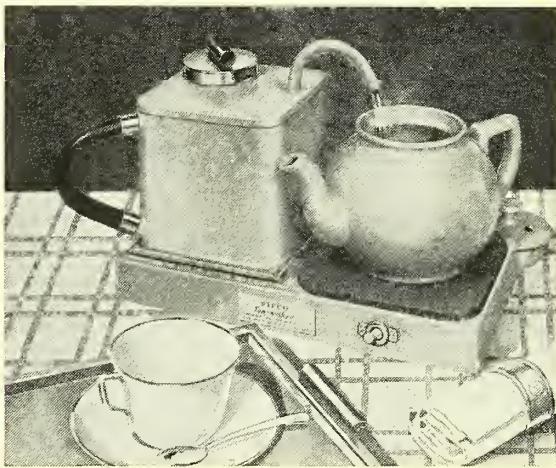
Tea-time with PIFCO



PIFCO TEA-O-MATIC

Set the clock and tea is automatically made and you are awoken by the gentle alarm at the appointed time. The chrome-plated, 2-pint kettle and the electric alarm clock in ivory plastic are mounted on an ivory enamelled base $10\frac{5}{8}'' \times 5\frac{1}{8}''$. (Teapot not supplied). A.C. only.

Retails at £9.2.6 inc. tax.



PIFCO TEA-MAKER

Tea at the flick of a switch—just right for the bedside, the office and T.V. time. The 2-pint kettle, ivory enamel finish, is on a matching base $10\frac{1}{4}'' \times 5''$, with a cork covered stand for a teapot. (Teapot not supplied). A.C. only.

Retails at £4.17.6 inc. tax.

RETAILERS: Order NOW from your usual factor.

WHOLESAVERS: Write now for details of the complete PIFCO range.

PIFCO LTD., WATLING STREET, MANCHESTER 4
and 36-37 Upper Thames Street, London, E.C.4

PEG BOARD BRACKETS for YOUR business

We have all the correct peg board brackets for displaying the goods you sell. There are many kinds to choose from. Our brackets are supplied in bronze and silver zinc finishes, from 15/- per doz.

PEG BOARDS

First quality. Stove enamelled in black, white, cream, green, burgundy. 8ft. x 4ft. from 56/-.

In natural colour, undecorated from 20/-. Fluorescent letters for peg boards, from 48/- per doz.

CHURCH & CO. (FITTINGS) LTD.

36 MINSTER STREET, READING

Telephone: READING 2038/6

LEEDS—62 Albion Street, Leeds 1
Tel: Leeds 30173

Agent for Northern Scotland—
C. T. A. Winram, 121 Crown
Street, Aberdeen.

1753

You must sell this 6^d sachet!

The big demand for Shandruff, the enemy of dandruff, is growing every week—it is a lovely shampoo which does what is claimed for it and is the only 6d. sachet of its type now on the market. Don't leave it any longer.



These
neat little counter display
cards will aid your sales.

Price 42/- per gross sachets, plus P.T. AVAILABLE ON SALE OR RETURN
From your usual wholesaler or
VINES BIOCIN LIMITED
222-224, HARROW ROAD, LONDON, W.2
Telephone: CUNningham 11723

BIGGEST-EVER ADVERTISING CAMPAIGN

To help you achieve still higher sales in 1956, Robinson's have launched a bigger-than-ever press advertising campaign for their soft drinks. Advertisements will appear in newspapers and magazines everywhere, and be strongly supported by film publicity in over 700 cinemas throughout the country.

IT WILL PAY TO DISPLAY!

Remember, Robinson's soft drinks are best-sellers, so let the public see you stock them — give them a front row seat in your windows . . . on your counters.

Robinson's *Barley Water & Squashes*

LEMON BARLEY WATER
LEMON SQUASH
GRAPEFRUIT SQUASH

ORANGE BARLEY WATER
ORANGE SQUASH



KEEN, ROBINSON & CO. LTD · CARRROW WORKS · NORWICH

CVS-73

NIPAGIN-M

Regd. Trade Mark

B.P.C. STANDARD

NIPA LABORATORIES LIMITED
TREFOREST INDUSTRIAL ESTATE Nr. CARDIFF

TELEPHONE: TREFOREST 2128/9

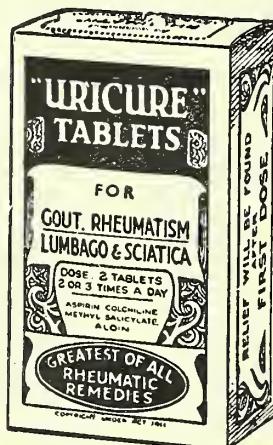
Sole Distributors for the United Kingdom
P. SAMUELSON & CO.
 ROMAN WALL HOUSE,
 I CRUTCHED FRIARS, LONDON, E.C.3
 Telephone : ROYAL 2117/8

"URICURE" TABLETS

The most popular
remedy for

- SCIATICA
- LUMBAGO
- NEURITIS
- NEURALGIA

or even the common
HEADACHE



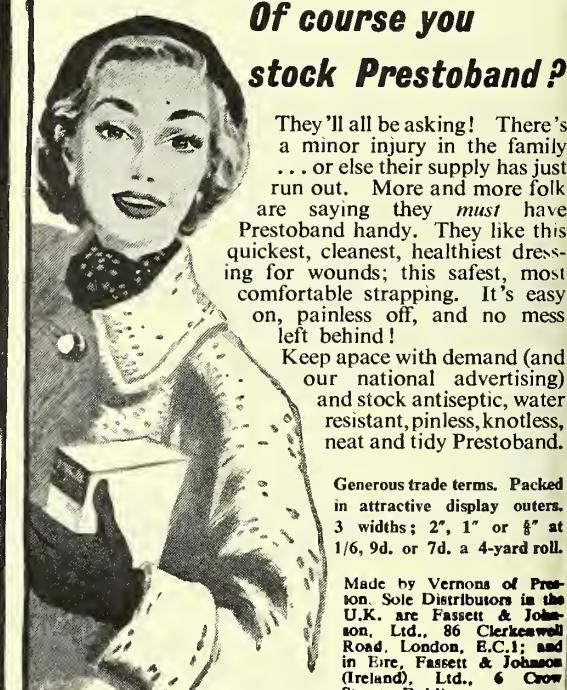
Packed in two sizes retailing at 1/9 and 3/6

SMALL SIZE
8/6
PER DOZEN

LARGE SIZE
18/6
PER DOZEN

THE ACTON PILL & TABLET CO. LTD.
ASH VALE · SURREY

Telephone: FARNBOROUGH (HANTS) 698



PRESTOBAND
THE ANTISEPTIC SELF-ADHESIVE BANDAGE

*sticks to itself, but NOT to the skin.

*Of course you
stock Prestoband?*

They'll all be asking! There's a minor injury in the family . . . or else their supply has just run out. More and more folk are saying they *must* have Prestoband handy. They like this quickest, cleanest, healthiest dressing for wounds; this safest, most comfortable strapping. It's easy on, painless off, and no mess left behind!

Keep apace with demand (and our national advertising) and stock antiseptic, water resistant, pinless, knotless, neat and tidy Prestoband.

Generous trade terms. Packed in attractive display outer, 3 widths; 2", 1" or 8" at 1/6, 9d. or 7d. a 4-yard roll.

Made by Vernons of Preston. Sole Distributors in the U.K. are Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1; and in Eire, Fassett & Johnson (Ireland), Ltd., 6 Crown Street, Dublin.

* **FRIDAY'S GIRL** has a date with
over eleven million readers in this
DAILY EXPRESS
half page May 25th



Make a note of
the date — you can
count on the sales!

Here's an advertisement to catch the interest of women everywhere ! One of the new large-size spaces booked to appear in the highest circulation National Newspapers and Women's Magazines in the big campaign linking Amami Lotion Shampoo with Television's popular Friday's Girl. Now's your chance to check on stocks. It's easy to see you'll be selling a lot of Amami, the 'lather-once' Shampoo in the 7d. sachet.



The CHEMIST AND DRUGGIST
CLASSIFIED ADVERTISEMENTS

Supplement

28 ESSEX STREET, STRAND, LONDON, W.C.2

ORRIDGE & COMPANY

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL
BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF
 Irish Representative: Mr. J. A. Bassett, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland. Tel: Belfast 27078

PREMISES TO LET17/6 for 36 words (min.) then 4d. per word
Box 2/-

HAYES, KENT. New shops being erected opposite Hayes Church, to be let at £400 p.a. exclusive. Shefford, Sedgwick & Dacombe, Ltd., 57 Station Approach, Hayes, Kent, Hurstway 1161. C 3625

LIVERPOOL LINKSIDE ESTATE, Hunts Cross Avenue, Bottom Manor Road, Woolton. Newly built lock-up shop, flat above if required, on new housing estate. Commanding position, suitable chemist. Builders, Peirce Williams, 90 Selborne St., Liverpool, Royal 8681. C 5128

BUSINESSES FOR DISPOSAL17/6 for 36 words (min.) then 4d. per word.
Box 2/-

DISPENSING CHEMIST, photographic supplies, fancy goods and tobacconist. Busy North Wales resort. Lease 23 years unexpired. Turn-over £11,000. Further particulars from Robinson & Garlick, F.V.I., Llandudno, Tel: 6611, C 3647

DRUG STORE and fancy goods. Established 24 years in E.C.4. For sale as going concern. Lease of shop and large basement. Goodwill, fixtures and fittings £2,250. Stock optional. Box C 5153.

DRUG STORES, LONDON. Near doctor's surgery. Good prospects for pharmacy. Demand for N.H.I. Main road, Apply Box C 3678.

HASTINGS. Exors. Sale. Old-established chemist's business, good premises, excellent situation near town centre. Lease, goodwill, etc. £1,350, s.a.v. Glenister and Partners, 17 Havelock Road, Hastings. C 3641

NORTH-EAST SCOTLAND. Good-class family and dispensing business for sale. Well fitted, single-fronted premises, for rent, owner retiring. Further particulars apply Box C 3677.

SUBSTANTIAL SHARE HOLDING with directorship for sale in small old-established company of manufacturing chemists, London, Box C 3673.

SURREY. Business for disposal, well established pharmacy. Returns £30,000 to £35,000, 50 per cent. N.H.I. Middle to working class district, within easy reach of London. Not less than £15,000, goodwill, plus stock and fixtures at valuation. Vendor semi-retiring. Apply Box C 3670.

APPOINTMENTS18/- per half inch (min.) and pro rata.
Box 2/-**BARNET GENERAL HOSPITAL,
WELLHOUSE LANE,
BARNET, HERTS**

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist (Category V). The Pharmacy Department is new and well equipped. Salary £575-£775 plus London Weighting. Applications stating age, experience, names two referees, to Hospital Secretary. C 266

**BARNET GENERAL HOSPITAL,
WELLHOUSE LANE, BARNET,
HERTS**

Assistant in Dispensing

required for new pharmacy department. Apothecaries' Hall Certificate. Whitley salary (with London Weighting) and conditions. Apply to Hospital Secretary. C 5014

**BUCKLAND HOSPITAL,
DOVER**

Assistant-in-Dispensing

required at the above hospital for period June 10 to July 1, 1956, for holiday duty. Salary in accordance with National Scales. Applications, in writing, to the Hospital Secretary, giving names and addresses of two referees. C 5141

**CROYDON GENERAL HOSPITAL
(Category IV)**

Locum Pharmacist

required for indefinite period. Salary up to £15 15s. per week according to experience. Duties mainly in sterile products department. Modern pharmacy, good working conditions. Apply, in writing, to Group Secretary, Croydon Hospital Management Committee, General Hospital, London Road, Croydon. C 5017

**CROYDON GENERAL HOSPITAL
(Category IV)**

Pharmacist

required. Post vacant now. Duties mainly in sterile products department. Rates of pay in accordance with Whitley scales. Modern pharmacy, good working conditions. Apply, in writing, to Group Secretary, Croydon Hospital Management Committee, General Hospital, London Road, Croydon. C 5018

DUNDEE ROYAL INFIRMARY

Pharmacist (Category V)

Locum Pharmacist

Applications are invited for the posts of full-time pharmacist and locum pharmacist (June-August) in this teaching hospital. Whitley Council salary and conditions. Apply stating age, qualifications, experience and names of two referees to the Chief Pharmacist. C 5139

**EASTBOURNE HOSPITAL
MANAGEMENT COMMITTEE,
ST. MARY'S HOSPITAL**

Assistant in Dispensing

required, male or female, with reasonable experience in dispensing. Apothecaries' Hall Certificate, or equivalent qualification, an advantage, but not essential. Salary according to age within the range of £295 to 21 years, rising by annual increments to £465 per annum. Applicants aged 22 years or over commencing at £355 per annum. Additional £20 per annum for recognised qualification. Applications in writing, with the names of two referees connected with employment in dispensing, to the Hospital Secretary within seven days of the appearance of this advertisement. C 5157

**FULHAM AND KENSINGTON
HOSPITAL****MANAGEMENT COMMITTEE,****FULHAM HOSPITAL,****ST. DUNSTAN'S ROAD,****HAMMERSMITH, W.6**

(1) Senior Pharmacist required June 1, 1956. National salary scales and conditions. Applications stating age, and full particulars, and names of two referees, to Hospital Secretary immediately.

(2) Locum Tenens Pharmacist required from June 1, 1956. Salary 16 guineas per week.

(3) Locum Tenens Assistant in Dispensing required for June 4, 1956. Salary 10 guineas per week.

Applications to Hospital Secretary (C.D.58) (Riverside 5407) immediately. C 5163

184 STRAND, W.C.2

Tel.: TEMple Bar 9212/3 & 6340

**ENFIELD GROUP HOSPITAL
MANAGEMENT COMMITTEE**

Senior Pharmacist

required for duties within the Group. Salary scale £575-£775 per annum.

Part-time Pharmacist

required for 5 sessions per week, for duties within the Group. Salary 31s. per session of 4 hours.

Apply to the Group Secretary, Chase Farm Hospital, The Ridgeway, Enfield, Middlesex, giving names and addresses of two referees. C 5148

**GODALMING, MILFORD AND
LIPHOOK GROUP HOSPITAL
MANAGEMENT COMMITTEE**

Assistant in Dispensing

required for King George V and Milford Chest Hospitals. Salary £195 per annum at age 18 rising to £465, with additional £20 for certain qualifications. Superannuable post. Apply to Group Secretary, King George V Hospital, Godalming, Surrey. C 5133

HIGH WYCOMBE**WAR MEMORIAL HOSPITAL**

Chief Pharmacist

(Category II) required. Salary and conditions in accordance with Whitley Council recommendations. Applications with full details and names of two referees to Group Secretary, High Wycombe and District H.M.C., St. Mary's Cottage, High Wycombe. C 5129

**ILFORD AND BARKING GROUP
HOSPITAL MANAGEMENT
COMMITTEE**

Chief Pharmacist

Applications are invited for the following holiday locum at King George Hospital, Ilford. June 4 for two weeks.

September 3 for two weeks.

Applications to the Group Secretary,

H. F. HARRIS,
Group Secretary,
King George Hospital,
Ilford. C 5164

**KING'S LYNN AREA HOSPITALS
MANAGEMENT COMMITTEE**

Assistant in Dispensing

with Apothecaries' Hall Certificate required in the Group Pharmacy Department at the West Norfolk & King's Lynn General Hospital, King's Lynn. Whitley Council conditions and salary scale according to age, e.g., £280 at age 20, £375 at age 22 rising to eventual maximum of £485.

Applications, stating age, experience and the names of two referees to be sent to Group Secretary of the above Committee, c/o St. James' Hospital, Exton's Road, King's Lynn, Norfolk. C 5138

**KINGSTON HOSPITAL,
WOLVERTON AVENUE,****KINGSTON-ON-THAMES**

Clerical Assistant

Applications are invited from dispensers (Apothecaries' Hall Certificate) for the post of clerical assistant to the pharmaceutical department, Grade A.2, salary at age 23 £314 p.a., rising to £475 p.a., plus London Weighting. Applications giving details of age, experience, qualifications, and the names of three referees to Administrative Officer, Kingston Hospital, Wolverton Avenue, Kingston-on-Thames. C 5165

Appointments—Continued**KING EDWARD VII HOSPITAL,
WINDSOR**

Locum Pharmacist

required beginning of June. Salary £16 16s. weekly. Apply with names of three referees, details of service to Secretary. C 5134

**LAMBETH HOSPITAL,
BROOK DRIVE, S.E.11****(Acute General Hospital, 510 beds)**

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist in a department which is being enlarged with consequent increase in the number of staff. Salary (plus London Weighting) in accordance with Whitley Council scale. Applications, stating age, experience, qualifications and names of two referees to the Secretary. C 256

LAMBETH HOSPITAL

Locum Pharmacist

required at Lambeth Hospital, Brook Drive, S.E.11, for indefinite period. Salary 15 guineas per week or according to experience. Phone: Chief Pharmacist. Rel. 3804. C 249

**LONDON JEWISH HOSPITAL,
STEPNEY GREEN,
LONDON, E.1****Locum Assistant-in-Dispensing**

required at the above hospital for two weeks, commencing June 4, 1956. Apply to Chief Pharmacist. (Telephone: Stepney Green 4251.) C 5170

**NEWMARKET GENERAL
HOSPITAL, SUFFOLK**

Assistant in Dispensing

Applicants should hold the Certificate of the Society of Apothecaries. Salary in accordance with Whitley Council Scale

Applications, stating age, experience, qualifications and the names of two referees to the Chief Pharmacist. C 5086

**NEW SUSSEX HOSPITAL
FOR WOMEN,
WINDLESHAM ROAD,
BRIGHTON**

Pharmacist

Vacancy will shortly occur for a pharmacist working approximately 30 hours per week. Salary £384 12s. 3d. to £557 13s. 10d. per annum. Applications, with full particulars of age, qualifications, experience and copies of two references or the names of two referees, to be sent to the Administrative Officer within 10 days of the appearance of this advertisement. C 5160

**NOTTINGHAM No. 1 HOSPITAL
MANAGEMENT COMMITTEE**

Pharmacist

Applications are invited for the appointment of Pharmacist at the Highbury & Heathfield Hospitals, Nottingham, to commence duties as soon as possible. Salary £100 x £25—£575 x £30 (5)—£725 per annum, plus extra qualification allowance where applicable. Applications, stating age, qualifications and experience, together with names of two referees, to be sent to the Group Secretary, General Hospital, Nottingham. C 5088

**OLDCHURCH HOSPITAL,
ROMFORD, ESSEX**

Post-graduate Pharmaceutical Student

A vacancy exists for the above post. Salary £350 p.a. and conditions of service in accordance with Pharmaceutical Whitley Council agreement.

Applications should be sent immediately to the Group Secretary at the hospital. C 5126

**ST. BARTHOLOMEW'S HOSPITAL,
LONDON, E.C.1**

Locum Pharmacists

Vacancies exist for locum pharmacists from beginning of June to the end of September. Salary at rate of £15 15s. per week. Applications in writing, giving details to Chief Pharmacist. C 5167

**SHEFFIELD No. 1 HOSPITAL
MANAGEMENT COMMITTEE**

Locum Pharmacist

required at the City General Hospital, June to September.

Rate of pay £16 16s. per week. Apply giving full details and period available to the Group Secretary at Nether Edge Hospital, Sheffield, 11. C 5130

**OLDCHURCH HOSPITAL,
ROMFORD, ESSEX**

Assistant in Dispensing

required immediately in the pharmacy which is a very well equipped and busy department offering most interesting work. Salary according to age, i.e., £160 p.a. at age 16 to £465 p.a. Nationally approved conditions of service. Candidate must possess Certificate of Society of Apothecaries of London, or equivalent, for which £20 p.a. additional to salary is payable. Apply in writing to Group Secretary at the Hospital. C 5127

**SHEFFIELD No. 1 HOSPITAL
MANAGEMENT COMMITTEE**

Pharmacist

Applications are invited for the appointment of pharmacist at the City General Hospital. Salary scale £500 x £25 (3)—£575 x £30 (5)—£725. Apply, giving full details of age, qualifications, experience, etc., and the names of two persons for reference, to the undersigned at Nether Edge Hospital, Sheffield, 11.

W. STANSFIELD,
Secretary.
C 5120

**ST. ALBANS CITY HOSPITAL,
NORMANDY ROAD,
ST. ALBANS, HERTS
(384 beds)**

Senior Pharmacist (Category III)

Applications are invited for the post of Senior Pharmacist, vacant early June, at the above hospital within easy reach of central London. The hospital covers a wide range of work with a busy and up-to-date sterilising department. Salary and conditions according to Whitley Council. Applications stating age, qualifications and experience, to the Chief Pharmacist. C 5125

**STAINES GROUP HOSPITAL
MANAGEMENT COMMITTEE**

Pharmacist

required at Ashford Hospital, Ashford, Middlesex, on salary scale £500—£725 per annum, plus London Weighting. Post now vacant. Applications, stating age, qualifications and experience, with copies of up to three recent testimonials, to Medical Director of Hospital immediately. C 262

**STAINES GROUP HOSPITAL
MANAGEMENT COMMITTEE**

Locum Pharmacist

required at Ashford Hospital, Ashford, Middlesex, Salary 16 guineas per week. Applications, stating age, qualifications and experience with copies of up to three recent testimonials to Medical Director of Hospital, immediately. C 260

**ST. ALFEGE'S HOSPITAL,
GREENWICH, S.E.10**

Locum Pharmacist

(long- or short-term). Salary 16-17 guineas weekly according to experience. Apply Chief Pharmacist at hospital. Tel.: (Gre. 2655). C 5149

**ST. ALFEGE'S HOSPITAL,
GREENWICH, S.E.10
(Category IV)**

(a) Deputy Chief Pharmacist

(b) Senior Pharmacist

Applications are invited for the posts of (a) Deputy Chief Pharmacist. Salary £655—£880 p.a.; (b) Senior Pharmacist, Salary £605—£805 p.a., in a well-equipped department at the above hospital, which may be inspected by arrangement with the Chief Pharmacist. Whitley Council conditions. Applications to Acting Secretary, G. & D./H.M.C. at above hospital. C 5150

**ST. LUKE'S HOSPITALS,
BRADFORD, 5**

Deputy Chief Pharmacist

(male or female) required. General and Maternity Hospitals. Salary, Category V, £675 to £925 p.a. Applications stating age, particulars of training, qualifications and experience, with the names of two referees to the Secretary, Royal Infirmary, Bradford, 9. C 5140

**THE LONDON HOSPITAL,
WHITECHAPEL, E.1**

Locum Pharmacist

required until September 30. Salary 15 or 16 guineas weekly according to experience. Apply to Secretary, The London Hospital, Whitechapel, E.1. C 5136

**ST. PETER'S HOSPITAL,
CHERTSEY, SURREY**

Pharmacists

required. Salary £500—£700 p.a. according to experience, Whitley Council conditions. Accommodation available for single woman at £135 p.a. Applications stating age and experience with names of two referees to Hospital Secretary. C 5121

**STOCKPORT AND BUXTON
HOSPITAL MANAGEMENT
COMMITTEE**

Pharmacists

Applications are invited from suitably qualified candidates for two posts of pharmacist, one at Stockport Infirmary and one at Stepping Hill Hospital.

Salary scale £500 p.a. rising by annual increments to £725 p.a. Applications with full particulars, together with copies of two testimonials, or names of referees to the Group Secretary, 59a Shaw Heath, Stockport. C 5132

**ST. THOMAS ELGIN HOSPITAL,
ST. THOMAS, ONTARIO**

Pharmacist

wanted (male or female), GRADUATE PHARMACIST for dispensary of General Hospital (285 beds, 61 bassinets); must be in good standing. Pharmaceutical Society of Great Britain, Work as assistant Pharmacist. Apply Personnel Officer. C 5166

**SUNDERLAND AREA HOSPITAL
MANAGEMENT COMMITTEE**

Locum Pharmacist

required immediately to cover holiday duties for four months or shorter period. Salary 16 guineas per week.

Apply in writing to the Group Secretary, General Hospital, Sunderland. C 5135

**THE ROYAL FREE HOSPITAL,
GRAY'S INN ROAD, W.C.1**

Applications are invited from graduates in pharmacy who desire to undergo the statutory period of practical training in hospital pharmacy. Salary £350 per annum plus London Weighting. Applications, together with names of two referees, should be sent to the Group Chief Pharmacist. C 5143

**THE UNITED BIRMINGHAM
HOSPITALS,****THE QUEEN ELIZABETH
HOSPITAL,****EDGBASTON, BIRMINGHAM, 15**

Pharmacist

Applications are invited from pharmacists for a resident post providing a unique introduction to Hospital Pharmacy.

Encouragement is given to useful research. Salary in accordance with Whitley Council scales, less deduction for full board residence. Applications giving names of two referees to Chief Pharmacist. C 5110

**WEST PARK HOSPITAL,
EPSOM, SURREY**

Assistant in Dispensing

with Apothecaries' Hall Certificate required. Salary and conditions of service in accordance with N.H.S. regulations and Whitley Council agreements.

Applications with full particulars and names of two referees to the Physician Superintendent as soon as possible. C 5159

WILTSHIRE COUNTY COUNCIL

Deputy Chief Pharmacist

Applications invited from pharmacists for supernumerary appointment of Deputy Chief Pharmacist at SWINDON HEALTH CENTRE. Salary £625 to £850. Thirty-nine-hour week. Council house available for rent.

Applications, stating age, qualifications, experience and names and addresses of three referees to be sent to the undersigned as soon as possible.

P. A. SELBORNE STRINGER,
Clerk of the County Council.
County Hall,
Trowbridge. C 5145

SITUATIONS VACANT

12/- for 36 words (min.) then 4d. per word.
Box 2/-

RETAIL (HOME)

BATHES—THE CAMERA PEOPLE, have vacancy for young man with knowledge photographic apparatus, train as under-manager. Good progressive post for suitable man. Apply Bathes, 24 Fleet Street, Torquay. C 265

RIKER

Riker Laboratories Ltd. have a vacancy for a representative for Northern Ireland. A pharmaceutical qualification is desirable, but consideration will be given to other suitably qualified persons. A Company car is provided and remuneration is by salary, expenses, and bonus. There is a Company pensions scheme in operation. Previous experience is not essential as full training will be given. Apply in writing in the first instance to Sales Department, Morley Street, Loughborough, marking the envelope "Medical Representative."

C 5068

Situations Vacant—Continued

£1,000 PER YEAR. Hampshire, Manager required. Modern shop, Excellent accommodation available, every convenience. Full particulars in confidence to Box C 3648.

COSMETIC LADY REQUIRED for good-class pharmacy. Must be used to all main agency lines. Able to control stock and work with other staff. Good saleswoman and pleasant personality essential. Full details of age, previous experience, salary required to Wilfrid E. Dale, Ltd., 27 Market Place, Andover, Hants, C 3668.

DONCASTER CO-OPERATIVE CHEMISTS, LTD., require the services of pharmacist (male or female) as branch manager, 44-hour week; minimum annual salary £840; bonus, increments for sales increases. Rota duties are additional payments. Applications with usual particulars to Superintendent Chemist, Doncaster Co-operative Chemists, Ltd., P.O. Box 20, Doncaster, C 263.

DUNFERMLINE. Pharmacist required to manage old-established business. Good conditions and salary, with prospects. No house available. Apply giving age and previous experience to T. C. Miller, Ltd., 117 High Street, Dunfermline, C 3649.

ENFIELD. Young lady required for dispensing. Salary according to age and experience. Permanent position. Three weeks' holiday a year. Apply to A. R. Cross, Ltd., 476 Hertford Road, Enfield, or telephone Howard 1723 or 2916.

HENDON. Pharmacy manager required to manage a good-class establishment in this area. Splendid opportunity for promotion. There is a good supporting staff and development is assured. Flat accommodation can be provided if desired. Apply with full details stating when available for interview to Box C 3675.

HIGHGATE, N.6. Experienced assistant, lady preferred, for counter display, stock, etc. Some dispensing knowledge helpful but not essential. Good-class residential district on edge of Hampstead Heath. Apply, Box C 3662.

LIVERPOOL. Qualified manager required for pharmacy on large housing estate, permanent position. Salary £832 per annum for a 44-hour week. Full staff, which includes a dispenser. Apply by letter to Metcalfe & Co. (Liverpool), Ltd., 596 Prescot Road, Old Swan, Liverpool, 13.

LONDON. Stock keeper required for well-known stocktaking firm. Substantial salary. Permanency. Five-day week. Apply Box C 255.

LONDON CO-OPERATIVE CHEMISTS, LTD., have vacancies for experienced and trainee dispensers in various parts of London. Applications in the first instance to Chief Pharmacist, Grange Road, Leyton, E.10, following which an interview will be arranged, when third-class travelling expenses will be allowed, to discuss terms, etc. C 3642.

MIDLAND AREA. Senior stocktaker required. Must have had several years' experience in pharmacy. Substantial wages. All expenses paid. Permanency. Apply Box C 259.

PHARMACIST REQUIRED for about one year in private family business. Half-day Saturday. Annual holidays this year. Good salary and assistance towards accommodation if required. This post is particularly attractive to young pharmacist seeking experience prior to taking managerial appointment. Wm. T. Haigh, 1 Victoria Square, Holmfirth, nr. Huddersfield, C 3680.

PERMANENCY, with excellent prospects, available to experienced lady or gentleman in private family business. No photographic; early closing Saturday; annual holiday August. Living accommodation could be arranged. Wm. T. Haigh, 1 Victoria Square, Holmfirth, nr. Huddersfield.

C 3679

PHOTOGRAPHIC SALESMAN. Must have good all-round experience. Progressive position. Durbins, chemists and photographic dealers, 12 The Broadway, Wimbledon, C 3665.

PORTSMOUTH. Applications are invited for the position of assistant pharmacist at the Central Pharmacy Department. Modern departmental store. The successful applicant will assist the superintendent chemist. Excellent conditions and wages. Pension fund, etc. Applications in writing stating age, experience and salary required to Personnel Manager, Co-operative, 110 Fratton Road, Portsmouth.

C 3622

PUTNEY. Young lady assistant required for counter. Good wages and conditions. M. Boyar, Ltd., 218 Upper Richmond Road, S.W.15.

C 3664

QUALIFIED OR EXPERIENCED LADY DISPENSER-BOOKKEEPER required immediately. Semi-rural practice. Furnished accommodation available. Salary by arrangement. Apply Dr. Maurice Lee, Danbury, nr. Chelmsford, C 3604.

SCOTLAND, CHEMIST. Lady or gentleman wanted, with good experience, to manage modern, well-equipped pharmacy in Glasgow. An excellent salary will be paid with entry to superannuation scheme after an initial period of service. Applications in writing stating age, experience, and when available for interview to Mr. G. M. Archibald, M.P.S., Retail Drug Department, S.C.W.S. Ltd., 187 Bogmoor Road, Shildhall, Glasgow.

C 3655

STOCK-KEEPER required immediately for busy City pharmacy. Good wages offered to suitable applicant. Must have some knowledge of the trade. Apply, Robert Howden, Ltd., 11 Fenchurch Street, London, E.C.3. Phone: Man. 7065.

SUPERINTENDENT CHEMIST required. Salary £858 plus half yearly bonus. Working class district, W., would suit middle-aged gentleman. Write Box C 3631.

WOODFORD. Branch manager pharmacist required for busy shop and good dispensing connection. Excellent opportunity for ambitious man to earn substantial salary and bonus. Good supporting staff and modern equipped dispensary, etc. Permanency with superannuation benefits. Accommodation available if required. Apply with full details stating when available for interview to Box C 3674.

LOCUMS WANTED

PHARMACIST REQUIRED, about the end of June, to manage fully-staffed pharmacies in the London area for two to three months. Salary and expenses allowed. Please give all details of age, previous experience, etc., and when available for interview to Managing Director, Arnold M. Gee, Ltd., 12 High Street, Colliers Wood, S.W.19.

C 3667

WHOLESALE

A LARGE FIRM of manufacturing chemists require the services of a qualified chemist, age 30/35, with manufacturing experience, particularly in connection with malt extract. Apply stating age, details of experience and salary required to: Box C 5079.

PHARMACIST

A vacancy exists for a Pharmacist between the ages of 25 and 35 to control the production activities of an established Company in S.E. London manufacturing a comprehensive range of pharmaceutical preparations. The position is responsible one and offers attractive prospects. Commencing salary will be commensurate with experience and ability. Applications stating age, qualifications, experience and salary expected to Box C 5071.

EXCELLENT OPPORTUNITY FOR PHARMACIST IN BERMUDA

Bermuda's most modern drug store desires to employ two young pharmacists to dispense prescriptions, assist in ordering and in drug store. Passage paid round-trip. No income tax. Ideal working and living conditions. Write Box C 3646 giving full particulars and submitting photograph prior to May 30 when owner will be in London to interview applicants.

A PRODUCTION MANAGER is required by well-established and progressive firm of manufacturing chemists in the North-west to handle production of packed lines, mainly pharmaceutical. The vacancy offers an excellent opportunity to a man possibly at present an assistant production manager, dealing with similar lines. Remuneration will be according to experience and there is an optional pension scheme available. Apply giving full details, age and experience, to "Director," Box C 5161.

A WORLD-FAMOUS pharmaceutical house requires a first-class man for their representative staff. The position is a good one with scope for a "live wire." Salary, generous luncheon allowance and full expenses will be paid and a car provided. After a qualifying period participation in the company's free pension scheme is automatic. The man chosen will be keen, ambitious, and in the 25-35 age group, with some selling experience and possess a current driving licence. The successful applicant will be required to work as Area Representative in the West of Scotland and based on Glasgow. Full details of education and past experience must be provided, which will be treated in strict confidence. Box C 5144.

AYRTON, SAUNDERS & CO., LTD., require pharmaceutical chemist for analytical and research work, preferably with some experience. Applicant will be encouraged to work for A.R.I.C. if not already so qualified. Good opportunity. Commence about August. Five-day week. Pension scheme. Full details of age, qualifications and experience to Technical Director, 34 Hanover Street, Liverpool, 1.

C 5104

COMPETENT PROCESS WORKER with knowledge of the manufacture of hair preparations required to take charge of a small factory. Reply giving full details to Box C 3659.

H. E. DANIEL, LTD., St. Bernard Works, London, S.E.19, suppliers of raw materials to the following trades, require a representative to call upon mineral water and confectionery manufacturers, perfumery and soap manufacturers, manufacturing chemists and wholesale druggists, in London and Home Counties. Experience desirable. Salary, commission, superannuation and car provided. Apply in confidence, with full details to the Managing Director.

C 261

ETHICON SUTURE LABORATORIES, LTD., require a pharmacy graduate for control and development work on sterilisation processes, aseptic procedures and component quality. This is a progressive post for which a starting salary commensurate with age and experience will be paid. Canteen, five-day week and pension scheme in operation. Apply in writing to Technical Director, Bankhead Avenue, Edinburgh, 11.

C 5019

JOHN BELL, HILLS & LUCAS, LTD., require a young pharmacist or chemist with analytical experience capable of assuming control of analytical laboratory. Five-day week, pension scheme and life insurance. Write stating age, qualifications, and personal details to the Managing Director, Oxford Works, Worlesy Bridge Road, S.E.26.

C 5147

LANCASHIRE, ETC., Representative required to call on retail chemists. Write, Arthur H. Cox & Co., Ltd., 93 Lewes Road, Brighton, C 5107.

CALMIC LIMITED, CREWE

INVITE APPLICATIONS FROM HIGHLY QUALIFIED AND EXPERIENCED MEN WHO HAVE FOR SOME YEARS BEEN RESPONSIBLE FOR CONTROL AND DEVELOPMENT IN BOTH PHARMACEUTICALS AND FINE CHEMICALS.

THE APPOINTMENT HOLDS EXCELLENT PROSPECTS AND WORK IN CONGENIAL SURROUNDINGS. PENSION SCHEME. FULL CANTEEN FACILITIES.

PLEASE SUBMIT, IN FIRST INSTANCE, FULL DETAILS OF EDUCATION, QUALIFICATIONS, EXPERIENCE AND SALARY REQUIRED TO TECHNICAL DIRECTOR. ALL APPLICATIONS WILL BE TREATED IN STRICTEST CONFIDENCE.

C 5119

EXPORT SALES MANAGER

required with previous experience and preferably with some knowledge of the exporting of food and/or pharmaceutical products to Empire and World Markets. Duties will entail sales promotion and supervision of sales and advertising.

Applicants, who are expected to reside near to Hull, are invited to send details of their education, experience, languages, and salary required, to the General Manager, British Cod Liver Oils (Hull & Grimsby) Limited, P.O. Box 18, Hull.

C 5146

Situations Vacant—Continued

LEDERLE require a manager for their packaging department, age 30 to 40 years. Applicants should have had at least four years' experience of pharmaceuticals packaging supervision. Detailed experience of medium or large scale packaging of tablets, powders, liquids, injectables, ointments, etc., essential. A thorough knowledge of modern packaging equipment, method study, and labour and machine utilisation, necessary. Starting salary about £1,000 p.a. depending on experience. Replies, giving fullest details including age, qualifications, experience, previous responsibilities and present salary, should be addressed to Works Manager, Lederle Laboratories, Hirwaun Industrial Estate, Glamorgan. C 5124

LITHOGRAPHIC PRINTERS require representative with experience of selling, but not necessarily of litho printing, with connections in the chemist and cosmetic trade to sell showcards and cut-out displays. Please apply Box C 3652.

MARKET INVESTIGATOR

A research chemist with pharmaceutical and biological background is required by a manufacturing company to expand the activities of its Closure and Medical Division. Responsibilities would cover technical research, customer contact and liaison between sales department and factory. Applicants should combine knowledge of pharmaceutical and biological chemistry with broad understanding of associated problems. The position is a permanent staff appointment with superannuation benefits, and carries a good salary. Replies giving full personal details, education, qualifications, experience and age, should be addressed to the Managing Director, Wm. Freeman & Co., Ltd., Suba-Seal Works, Peel Street, Barnsley, Yorks. C 5102

NEW ETHICAL COMPANY requires a medical representative for G.P.s and hospitals for Lancs. Exceptionally good prospects for the right gentleman who would give his undivided attention to the company's business. Please write in confidence to Box C 3644.

INVITATION TO BRITISH MANUFACTURERS FOR A TAX-FREE BUSINESS

British manufacturers interested in having their products manufactured in Bermuda—under TAX-FREE conditions—should contact W. T. Dwyer, President, Bermuda Industrial Development Company, who will be in London from May 23 until June 15, 1956, at Stratford Court, 350 Oxford Street, London, W.1.

The Bermuda Industrial Development Company is a management company assuming complete responsibility for any manufacturer for the management, production and sales of any product. This company has unlimited plant space and machinery for the production of liquids and creams is already installed. Equipment necessary for the production of other types of products can be installed quickly and economically. All equipment, raw materials and supplies to be used in manufacturing enter Bermuda duty-free. There is no income tax in Bermuda; there are no export duties.

Products currently being manufactured under the direction of the Bermuda Industrial Development Company are being shipped with great success to such distant places from Bermuda as Malaya, Africa, Italy and South America; ships leave Bermuda to all parts of the world bi-monthly.

The advantage to the British manufacturer in making his products in Bermuda by the Bermuda Industrial Development Company is, of course, an exceptional profit with small investment on a TAX-FREE basis for an unlimited period of time. Interested manufacturers may contact Mr. Dwyer at the Stratford Court address above, who will give them complete information regarding the operation of the Bermuda Industrial Development Company.

C 5137

MEDICAL REPRESENTATIVE required for Lancs, must be resident Liverpool/Manchester. This post offers exceptionally good prospects to join a very young but progressive company, and to grow with the company. Existing very small connection handed over to successful applicant. Interview in Manchester at later date. Write full details of experience to Sales Director, Carlton Laboratories (Southern), Ltd., 46 Preston St., Brighton, Sussex, C 3643

MEDICAL REPRESENTATIVES required by London manufacturing chemists to call on doctors, dentists, hospitals and chemists. Experience of medical detailing an advantage but not essential if applicant has a good pharmaceutical background. Applications invited from pharmacists, 25 to 40 years of age, stating experience and salary required. Box C 264.

PACKAGING SUPERVISOR required for department handling tablets, etc., in small and bulk packs. Must have been used to controlling female staff and preferably with some experience in pharmaceutical products. Apply Matthews and Wilson, Ltd., 6/8 Cole Street, London, S.E.1. C 5151

PARKE, DAVIS & COMPANY, LIMITED, invite applications for the position of production assistant in their advertising and promotion department to handle the production of catalogues, leaflets and periodical publications for home and export markets. Some knowledge of design, briefing for art work, ordering of blocks and buying of print essential. 5-day week. Generous pension plan. Staff restaurant. Write with full details of age and experience to Personnel Manager, Parke, Davis & Company, Limited, Staines Road, Hounslow, Middlesex. C 5131

REQUIRED for our advertising and overseas sales department one or two young men, preferably qualified chemists, with knowledge of German or French; good English style essential. Prospects of travel later. Apply with full particulars, including recent photograph, to Personnel Office, Ciba, Ltd., Basle, Switzerland. C 5142

TO THE UNQUALIFIED DISPENSER requiring a change of occupation, with scope for advancement, we offer interesting work compounding food flavours, etc. Good salary and conditions. West London area. Apply Box PP 58464, Samson Clark, 57/61 Mortimer St., W.1. C 5169

PARKE, DAVIS & COMPANY, LIMITED

Parke, Davis invite applications from pharmacists, up to 35 years of age for a junior executive position in the Home Sales Department. Previous experience not essential as the successful applicant will receive a thorough training in general sales procedure. An excellent opportunity for a man interested in making a career with an efficient sales organisation. Facilities include staff restaurant, five-day week, generous pension plan. Applications should be addressed to Home Sales Manager, Parke, Davis & Company, Limited, Staines Road, Hounslow, Middlesex. C 5158

PHARMACEUTICAL PRODUCTION. Young man (28-35) required to head newly created department. Applicants should have experience in pharmaceutical production and inventory control and be interested in working with a rapidly developing company with worldwide interests. All replies will be dealt with in confidence and should be addressed to the Managing Director, Upjohn of England, Ltd., 4 Aldford St., London, W.1. C 5093

SURGICAL HOUSE requires experienced orthopaedic appliance fitter. Please reply with full details. Apply Box C 3660.

AGENTS WANTED

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

AGENTS

AGENTS REQUIRED for South England, East Anglia and South Wales by company manufacturing quality cosmetics. The company's preparations are well known and established in these areas but there is scope for energetic agents to considerably expand the sales. Application should be made to Box C 5155.

ESTABLISHED FIRM (C.F.) offers first-class products, including three quick-selling summer lines with good profit margin, to agents in all parts of the country. State area covered and other agencies held. Box C 3666.

HOLBORN SUPPLIES, LTD.,

55 LEATHER LANE, E.C.1

Phone: HOLborn 6689.

Tower Personal Scales; Evanol, Simplex, Inecto, Color Glo, Shadeine, Monil, L'oreal bleach, etc.; Flashmaster cameras; Remington, Sunbeam, Philips shave Electric Shavers; Pifco Sunlamps, Infra-red, Massagers.

C9719

SITUATIONS WANTED3/- for 18 words (min.) then 2d. per word.
Box 1/-**RETAIL (HOME)**

EXPERIENCED DISPENSER, age 45, unqualified. Shop or dispensary. Not afraid of work. What offers for near future? Box C 3663.

WHOLESALE

AS MEDICAL OR TRADE REPRESENTATIVE/PHARMACIST with great experience at this work requires a position centred on Gloucestershire with firm of repute. Full- or part-time. Car owner. Box C 3658.

REPRESENTATIVE with sound connection retail/wholesale chemists and stores, area Northern England and Southern Scotland, seeks senior representation or active field management. Would also consider reputable agency. Outstanding sales record and excellent references. Box C 3645.

REPRESENTATIVE, excellent connection retail, wholesale, Kent, Sussex, Surrey, Hants, Berks. Wide experience galenicals, specialities, etc. Clean licence. Good remuneration. Resident London. Box C 3671.

SENIOR SALES OFFICE ASSISTANT, 40, experienced and energetic, seeks situation London area. Box C 3653.

TO MANUFACTURERS: Are you requiring a representative for the following areas, Wilts, Gloucestershire, Somerset and Dorset? Salary or commission. Box C 3628.

AGENCIES WANTED17/6 for 36 words (min.) then 4d. per word.
Box 2/-**IRELAND**

Irish Chemist with excellent Veterinary Contacts, would act as representative (or) agent for firm specialising in Veterinary Goods. Box C 3661.

IRELAND. A highly experienced agent presently trading with wholesale chemists and grocers throughout the Republic of Ireland and Northern Ireland solicits additional sole agencies from reputable manufacturers. Apply Box C 3672.

BUSINESS OPPORTUNITIES17/6 for 36 words (min.) then 4d. per word.
Box 2/-

ARE YOU A GO AHEAD CHEMIST? Sell the C.F. line, sell Paton's dental ointment, the original for mouth ulcers, all mouth irritations, cold sores, and for new and old dentures, gives mouth comfort. Retail only 2/3d. per tube. Counter display outers of one dozen tubes. Sample tube on request. Order today—F. C. Paton (Southport), Ltd., Southport, England. C 3624

CALLING EIRE. All Irish chemists should order Paton's dental ointment, the original for mouth ulcers, sore gums, cold sores, etc. There is nothing like it. Only 2/3d. per tube retail. Counter display outer of one-dozen tubes. Order from May, Roberts, Ltd., Dublin. This C.F. line should be in your shop. C 3623

PENSIONS FOR PHARMACISTS. It is important that you should have good advice on this subject which is more complicated than it appears. My long experience will secure best arrangement. Consult F. Varney, B.Sc., 14/16 Cockspur St., S.W.1. C 3669

IMPORTANT

Box Office numbers are intended exclusively for specific answers to particular advertisements. Price Lists, Trade Circulars, Samples and Printed Matter cannot be forwarded.

Imitation Jewellery**PUT SPRING IN YOUR WINDOW**

With white and coloured beads, matching Ear-rings, Flower Ear-rings, necklets, Pearls, Gilt-and-Diamante Jewellery, Bracelets, rings.

Exclusive Continental designs stocked Largest selection in the country

SAMPLE PARCELS £10 upwards C.O.D. or two references

JODEZ (Manchester) LTD.
8 SHUDE HILL, MANCHESTER 4

C5090

INCREASE YOUR PROFIT. Most chemists sell jewellery. Do you? Ear-rings, brooches, necklets, bracelets, etc., etc., retailing from 1/11 to 5/6. Selection parcels, £6 or £10 against two references or c.o.d. American Jewellery, 48 Herristone Road, Manchester, 8. C 3401. **MANUFACTURING CHEMISTS** invite inquiries for the manufacture, packing, etc., of private formulae preparations, liquids, powders, tablets. Dispatch facilities available with own printing department. Frank Macowal & Yanatas, Ltd., Wilshaw Street, London, S.E.14. Tel.: Tideway 3846-8. C 122

SILICONE RUBBER for extreme temperatures, frequent sterilisation and high standard production and research. Washers, bungs, bottle cap liners, tubing, teats for droppers and mouldings to customers' specifications. Esco (Rubber), Ltd., 34/36 Somerford Grove, London, N.16. C 178

WANTED17/6 for 36 words (min.) then 4d. per word.
Box 2/-

ALL KINDS OF BOTTLES, JARS, SCREW CAPS, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair price for spot cash. We are buyers of

merchandise of **EVERY DESCRIPTION.** Clearance Stocks. Discontinued lines. Surplus and Redundant Stocks. Should you have anything for disposal, please send us samples and particulars. Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3. C 153

MEDICAL BOTTLES, tablet bottles, closures and all types of packaging materials purchased, no quantity too large. Samples and full details to Noel Davold & Co., 9 Laurence Pountney Lane, Cannon Street, E.C.4. Mansion House 3951-2. C 178

PIPERAZINE

Substantial and regular quantities required. Please give full details of price, quantities, delivery and fullest specification. Box C 5122.

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

WANTED: White cardboard cartons with tuck-in ends. Size approximately 14 x 2½ x 3½ in. Also pill cartons, tablet bottles, opal jars, Little John drums and 2-3 oz. W/M, S/N powder jars. Offers to Box C 3657.

MISCELLANEOUS SALES17/6 for 36 words (min.) then 4d. per word.
Box 2/-

100 BAYS of brand new adjustable steel shelving, 72 in. high by 34 in. wide by 12 in. deep, stove-enamelled bronze green. Sent knocked down—6 shelf bay—£3 15s. Sample delivered free. N. C. Brown, Ltd., Eagle Steelworks, Heywood, Lancs. C 5115

BOTTLES FOR SALE, 3,000 gross of 6 oz. plain medical flat bottles, clear glass, screw neck to take a 22 mm. screw cap. Packed 3 dozen in a carton with divisions. A feature of this stock is the cartons with divisions, can be used after the bottles have been filled. Price 13/- per gross complete for not less than 250-gross lots. Reliance Trading Co., 13 New College Parade, Finchley Road, London, N.W.3. Phone: Primrose 5611 & 3167. Grams: "Gordon" Primrose 5611. C 5156

FOR SALE at bargain price, 48 x 100 yards absorbent gauze, B.P.C., at 19/6d. per 100 yards, 28 lbs. French Oil of Lavender at 20/- per lb. Full details from Yaffe's, 6 Park Hill, Bury Old Road, Prestwich, Lancs. C 3619

MODERN CHEMIST SHOPFITTINGS, drug ranges, wall cases and frameless sliding doors, display counters and showcases, all types of window fittings and display stands. D. Matthews & Son, Ltd., Complete Chemist Shop Fitters & Shop Front Builders, 14-16 Manchester Street, Liverpool. C 141

SURPLUS STOCK, 2 x 28 lbs. original tins of caffeine cit. B.P. by R. W. Green & Co. Accept nearest offer to £30. Hubble, 79 Kingsway, W.C.2. C 5096

SPOONS, 200,000 clear polystyrene spoons of 5 c.c. capacity. These items are as received from the manufacturers. Samples on request. Box C 5152.

STOCK CLEARANCE OFFER, DDT 8 per cent. (in a heavy carrier). Packed in 56 lb. drums, 30s. per cwt. net. Lindane dust (containing 0.8 per cent. Lindane, in a superfine light carrier). Packed in 1 cwt. drums, 90s. per cwt. net. Carriage free. Geo. Monroe, Ltd., Rye House, Hoddesdon, Herts. C 3651

PARTNERSHIPS18/- per half inch (min.) and pro rata.
Box 2/-**CHEMIST**

wishing shortly to ease off and semi-retire offers the chance of partnership or shares in limited company to live qualified man 30-40 years old. Business has three shops and experience is required in photo, toilets, and agriculture. Situation "Midland market town" and offers a unique opportunity to a man willing to work for a few years and so obtain a worth-while position. Replies stating experience, etc., to c/o Box C 3650.

PATENTS18/- per half inch (min.) and pro rata.
Box 2/-

THE PROPRIETOR of Patent No. 632783 for "Improvements in or relating to Napkins" desires to secure commercial exploitation by Licence or otherwise in the United Kingdom. Replies to Haseltine Lake & Co., 28 Southampton Buildings, Chancery Lane, London, W.C.2. C 5098

DEVELOPING AND PRINTING18/- per half inch (min.) and pro rata.
Box 2/-

DEVELOPING, printing, enlarging, colouring, copying, etc. A reliable return of post service. Best quality work, order pads and attractive showcards free on application. Ormskirk Photo Services, Ltd., Park Road Works, Ormskirk, Lancs. Phone: 2380. C 3640



MBL RENOWNED PRODUCTS

*Always in
steady demand*

ANTIEOL

Cutaneous Ointment containing the sterile broth filtrates of the microbes causing most skin infections.

RHINO-ANTIEOL

Prophylactic Nasal Cream; an effective remedy against infections of the naso-pharynx.

OPHTHALMO-ANTIEOL

Therapeutic Ophthalmic Ointment for the treatment of inflammatory conditions of the eye.

SECRETIN MEBIOL

The Duodenal Hormone, purified, standardised and physiologically controlled for stimulating Pancreatic and Biliary Secretion.

DETENSYL

Vegeto-Polyhormonic Hypotensor. The mild and progressive treatment in conditions requiring the lowering of arterial tension.

ENTEROFAGOS

Polyvalent Intestinal Bacteriophage. It is the BIOLOGICAL treatment for most intestinal, para-intestinal, kidney and bladder infections.

ST. JAMES' BALM

The proven remedy for common skin troubles, and therefore the ideal general purpose ointment.

MEDICO-BIOLOGICAL LABORATORIES

LIMITED

ARGREEN ROAD, SOUTH NORWOOD, LONDON, S.E.25



PS 195

**new ★
 fast ★
 odourless ★
 depilatory**



odourless

depilatory



Trice REGD.

**SPECIAL
 INTRODUCTORY
 OFFER**

Women will soon appreciate the advantages of 'TRICE' the first quick-acting odourless depilatory. Be sure you are ready to meet the demand created by the well timed, persuasive advertising campaign.

10%
 EXTRA DISCOUNT
 for a
 minimum
 first order
 of
½ DOZEN



28,500,000 READERS
 will see 'TRICE' advertising in
 WOMAN · WOMAN'S OWN
 WOMAN'S WEEKLY · WOMAN & HOME
 DAILY MIRROR · SUNDAY PICTORIAL
 NEWS OF THE WORLD, etc.

TRADE TERMS

18/9

under 3 dozen

16/9

3 dozen and over
 (P.Tax 16/10½ per dozen)

RETAIL PRICE

3/6

